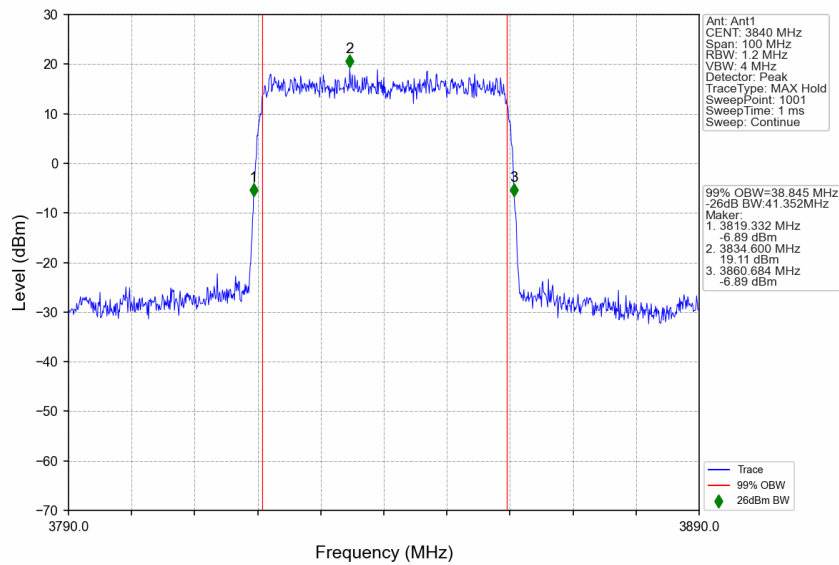
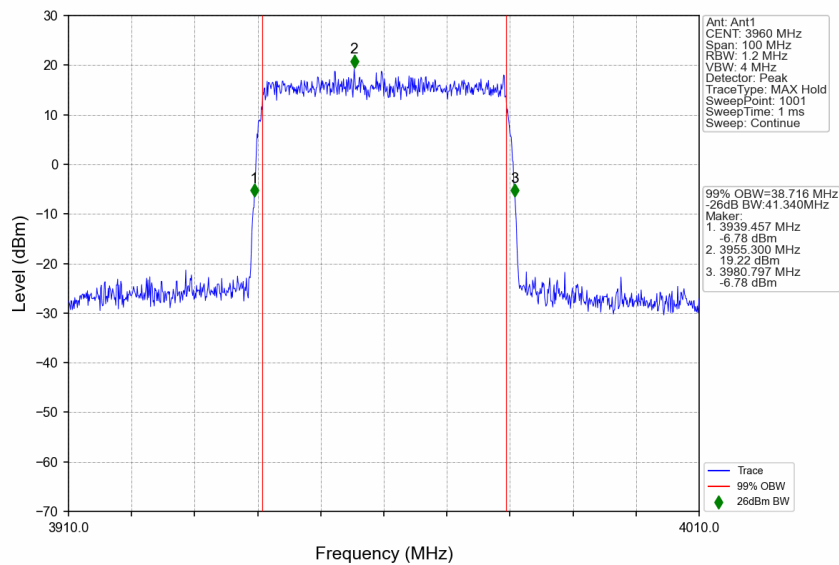


n77a_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3840MHz_Outer_Full



n77a_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3960MHz_Outer_Full

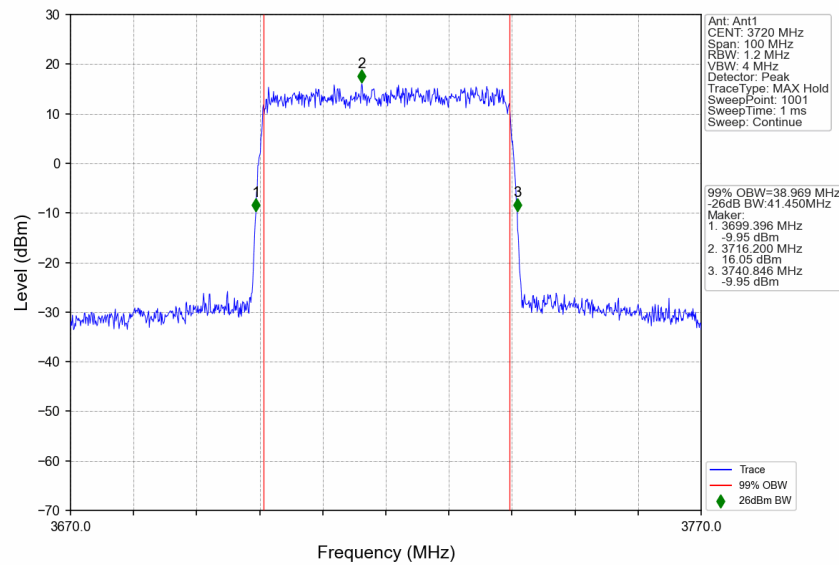


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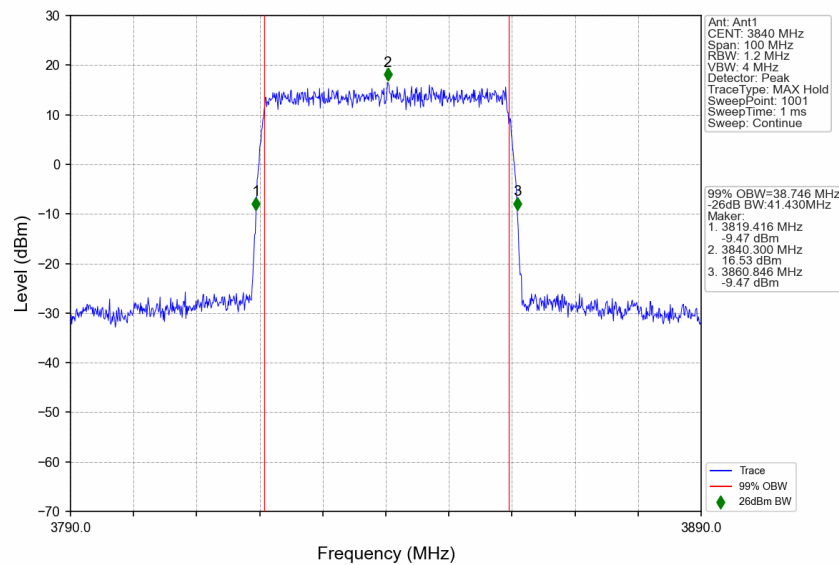
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n77a_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3720MHz_Outer_Full



n77a_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3840MHz_Outer_Full

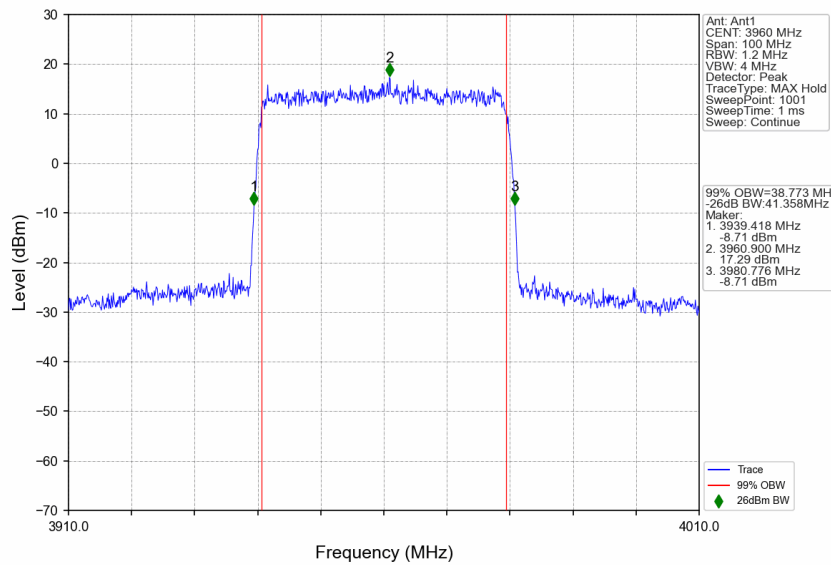


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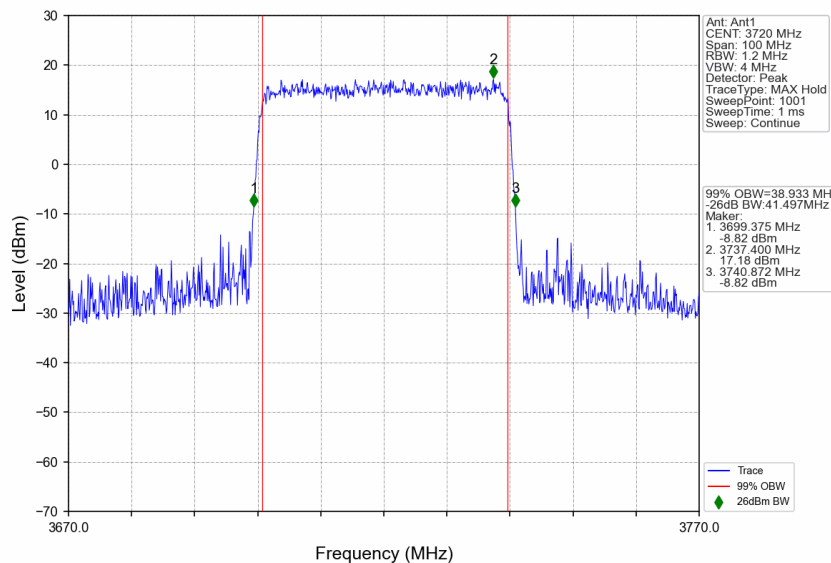
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n77a_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3960MHz_Outer_Full



n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3720MHz_Outer_Full



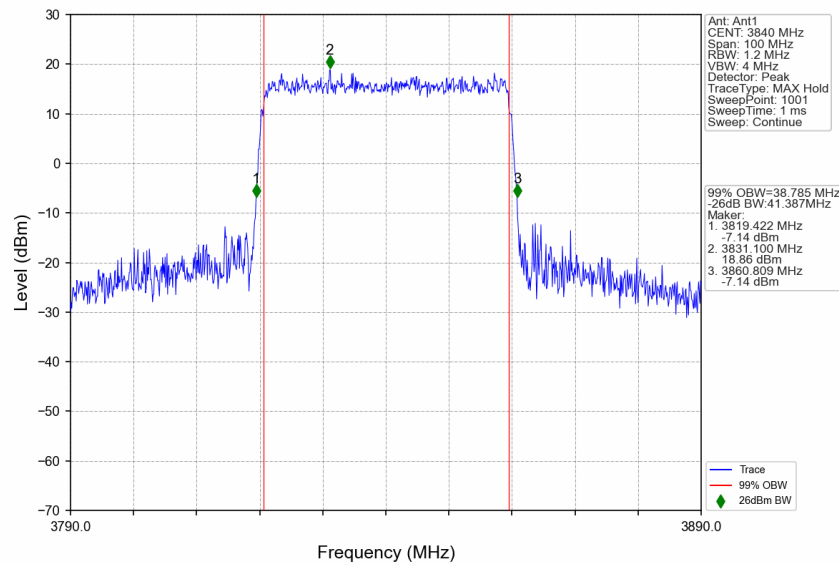
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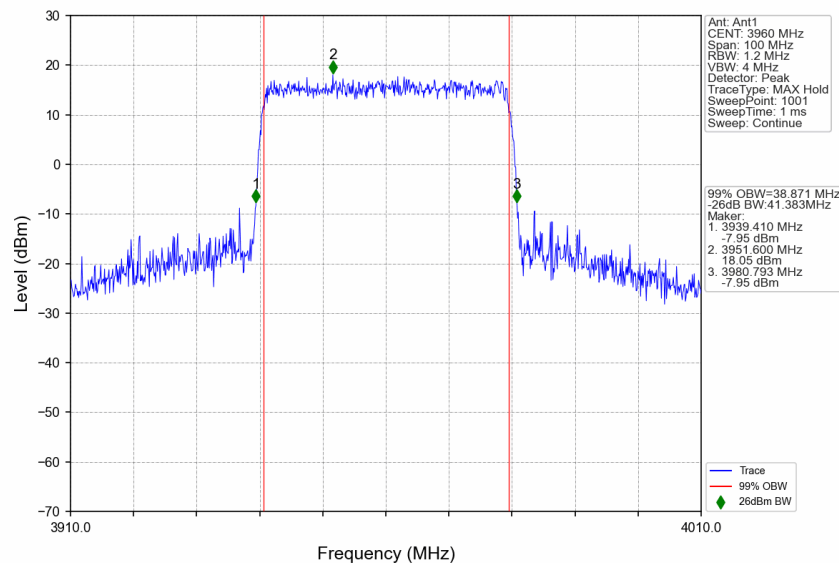
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n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3840MHz_Outer_Full



n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3960MHz_Outer_Full

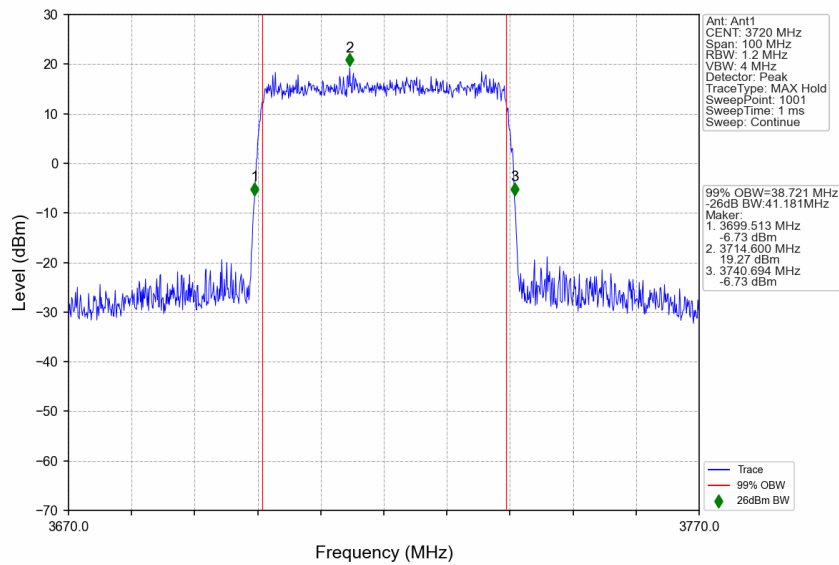


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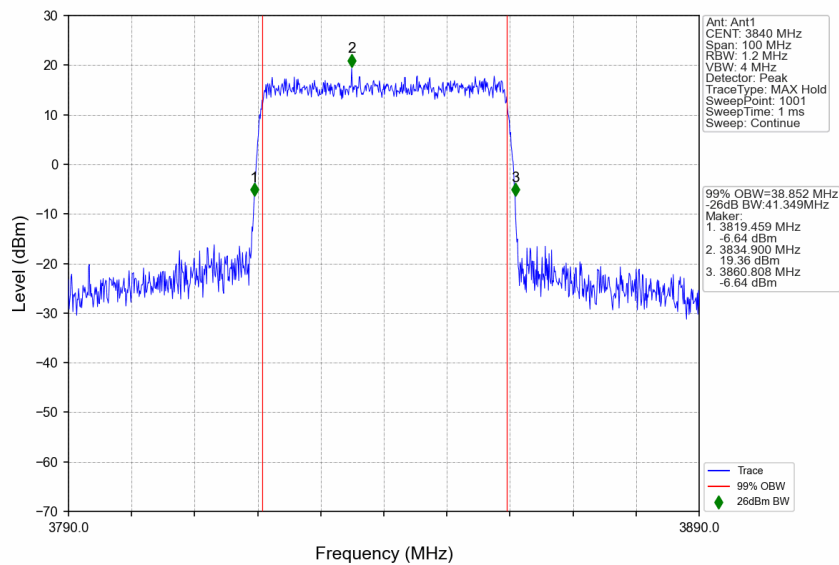
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n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3720MHz_Outer_Full



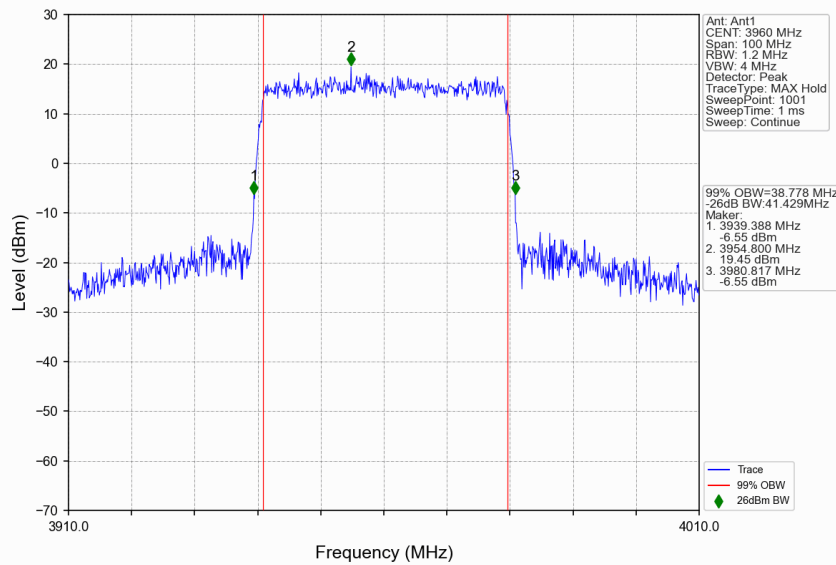
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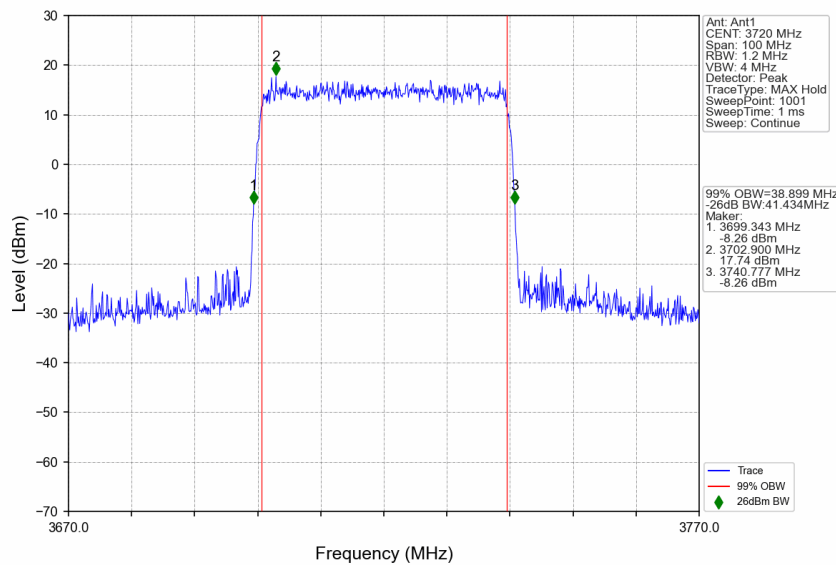
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n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3720MHz_Outer_Full

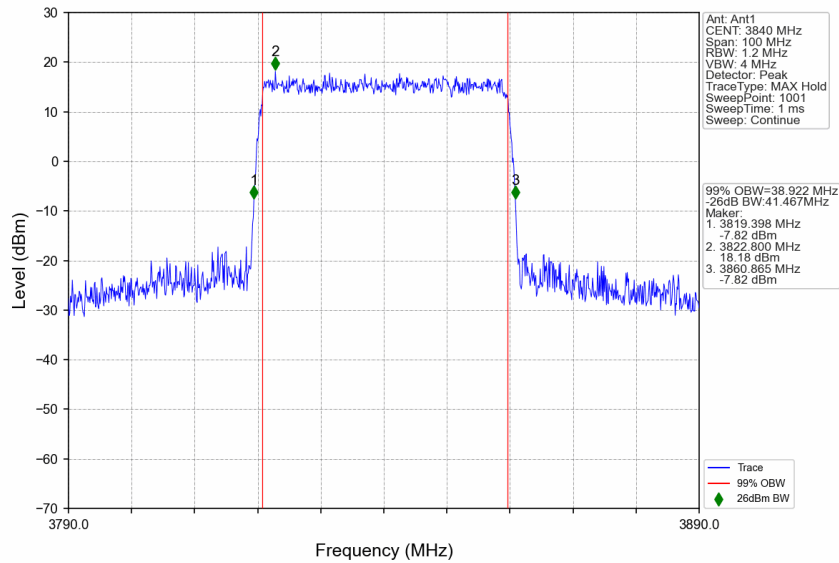


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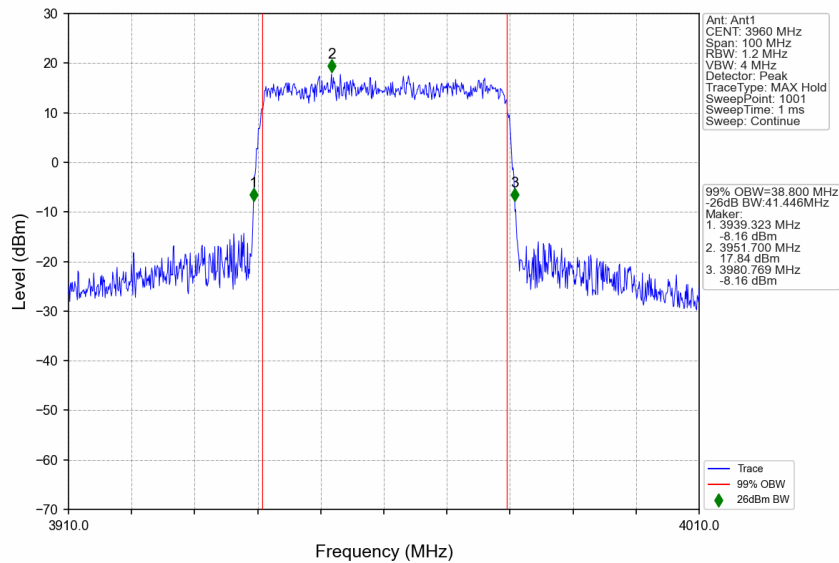
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n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3840MHz_Outer_Full



n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3960MHz_Outer_Full

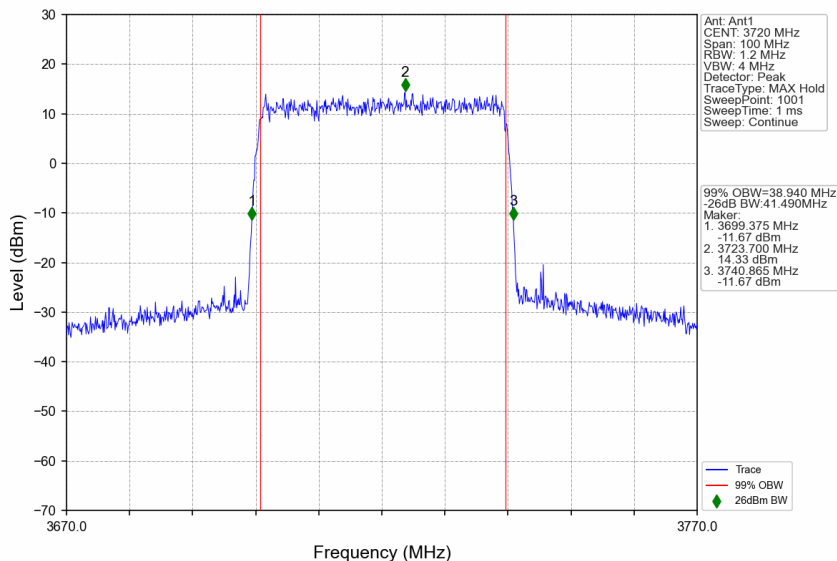


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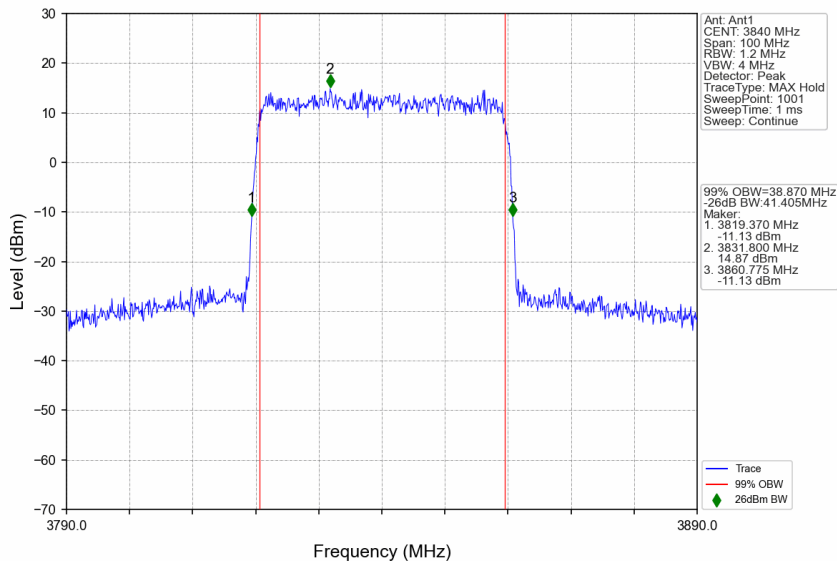
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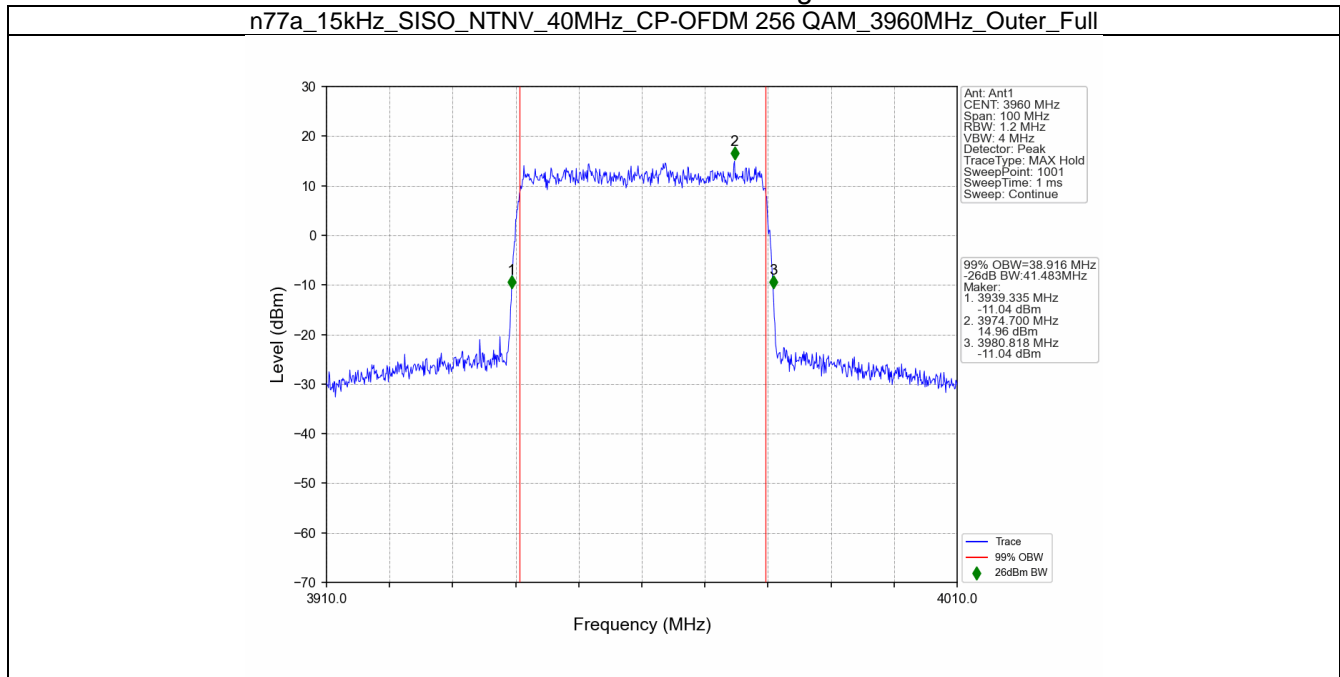


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n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3960MHz_Outer_Full



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 Wireless Laboratory

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4.7 15k_SISO_50MHz_NTNV

4.7.1 Test Result

5G NR n77a SCS=15kHz SISO 50MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3725.01	Outer_Full	48.57	51.66	/	Pass
	3840	Outer_Full	48.55	51.80	/	Pass
	3954.99	Outer_Full	48.39	51.71	/	Pass
DFT-s-OFDM QPSK	3725.01	Outer_Full	48.46	51.78	/	Pass
	3840	Outer_Full	48.63	51.75	/	Pass
	3954.99	Outer_Full	48.54	51.72	/	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	48.40	51.74	/	Pass
	3840	Outer_Full	48.59	51.68	/	Pass
	3954.99	Outer_Full	48.53	51.66	/	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	48.53	51.70	/	Pass
	3840	Outer_Full	48.50	51.80	/	Pass
	3954.99	Outer_Full	48.48	51.88	/	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	48.74	51.82	/	Pass
	3840	Outer_Full	48.44	51.60	/	Pass
	3954.99	Outer_Full	48.52	51.88	/	Pass
CP-OFDM QPSK	3725.01	Outer_Full	43.55	46.75	/	Pass
	3840	Outer_Full	43.64	46.70	/	Pass
	3954.99	Outer_Full	43.74	46.85	/	Pass
CP-OFDM 16 QAM	3725.01	Outer_Full	43.63	46.60	/	Pass
	3840	Outer_Full	43.55	46.69	/	Pass
	3954.99	Outer_Full	43.53	46.67	/	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	43.62	46.78	/	Pass
	3840	Outer_Full	43.73	46.68	/	Pass
	3954.99	Outer_Full	43.69	46.74	/	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	43.56	46.73	/	Pass
	3840	Outer_Full	43.74	46.65	/	Pass
	3954.99	Outer_Full	43.62	46.69	/	Pass

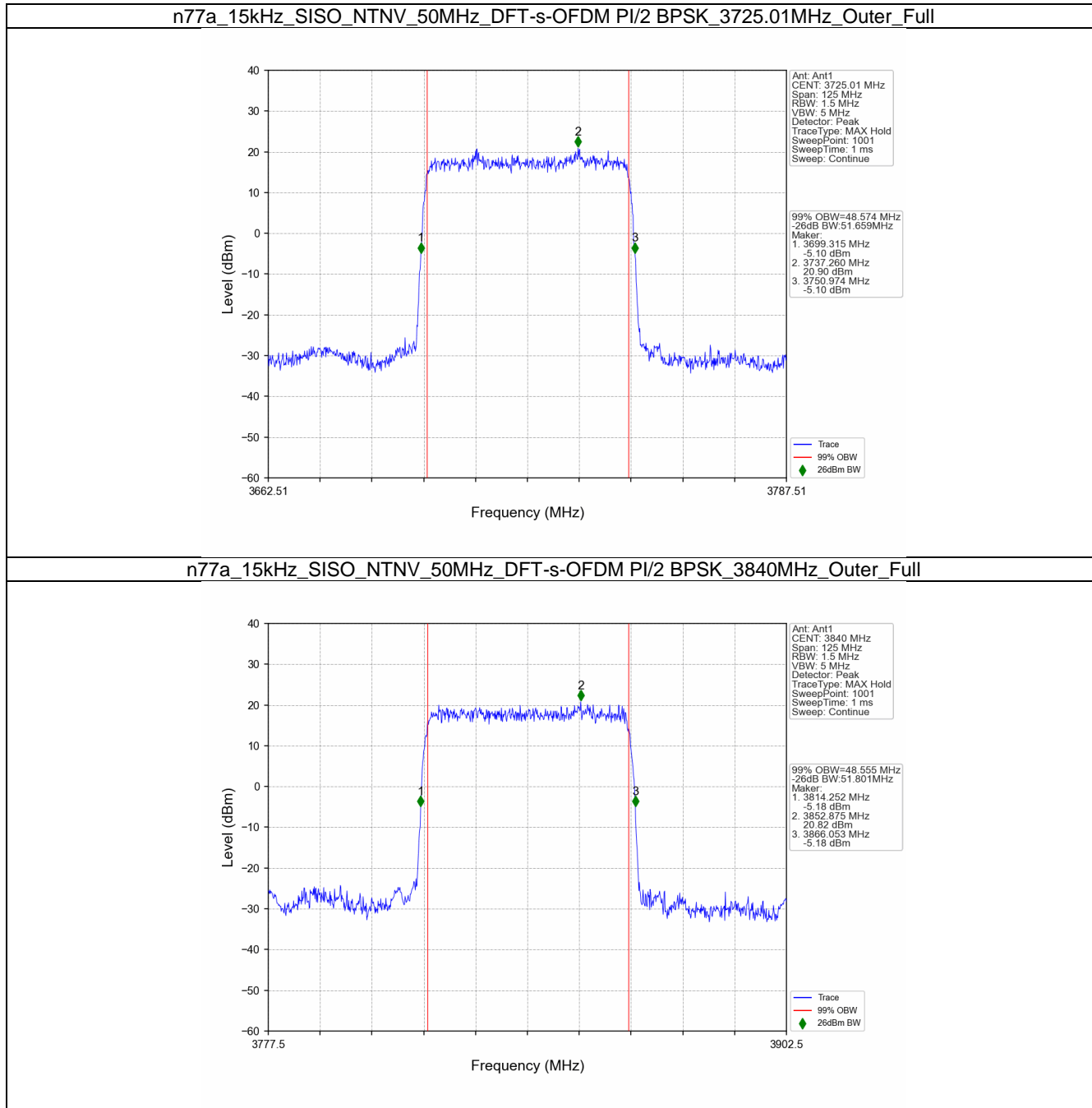


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4.7.2 Test Graph

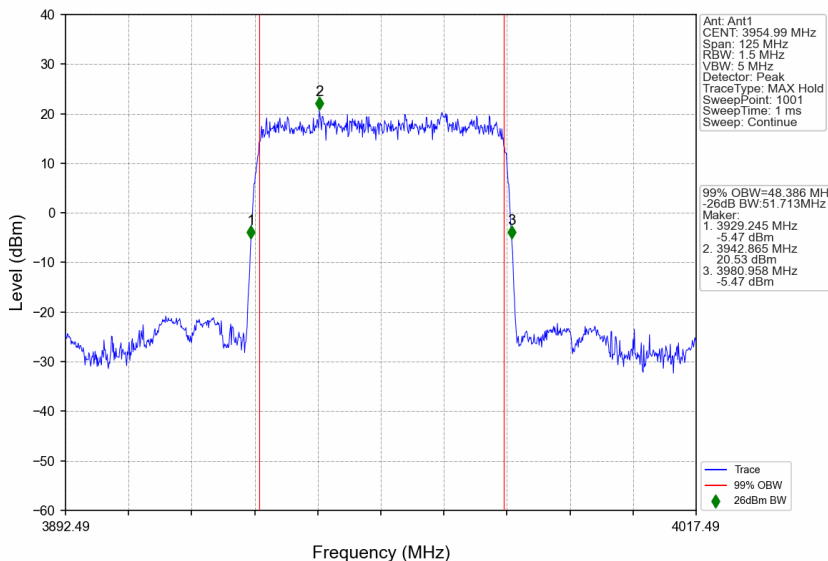


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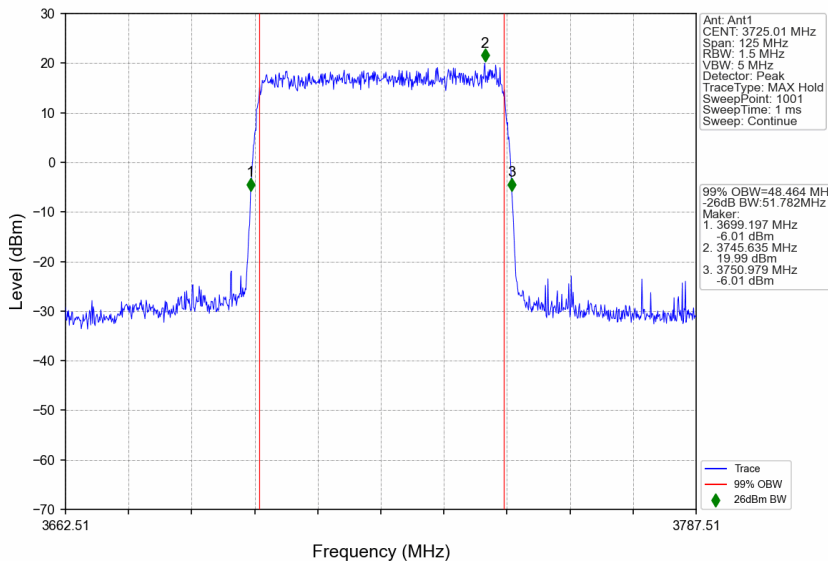
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n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3954.99MHz_Outer_Full



n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3725.01MHz_Outer_Full

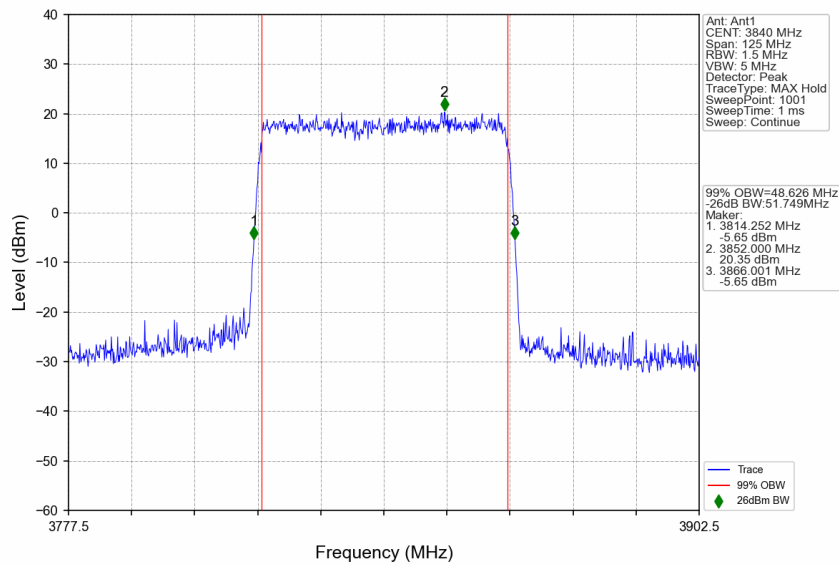


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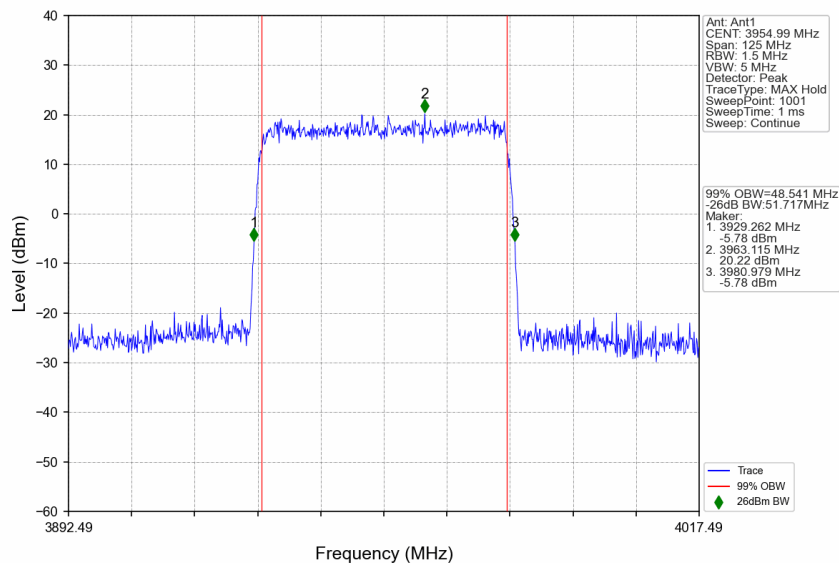
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n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3840MHz_Outer_Full



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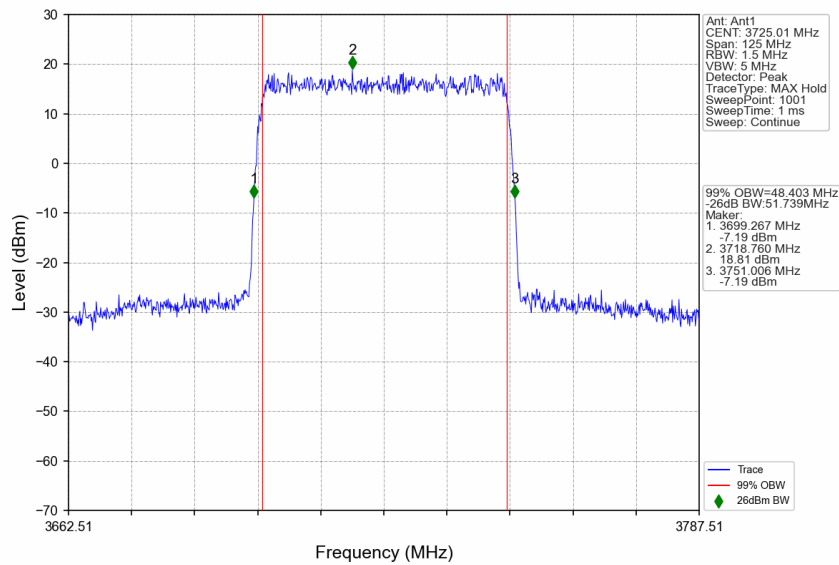


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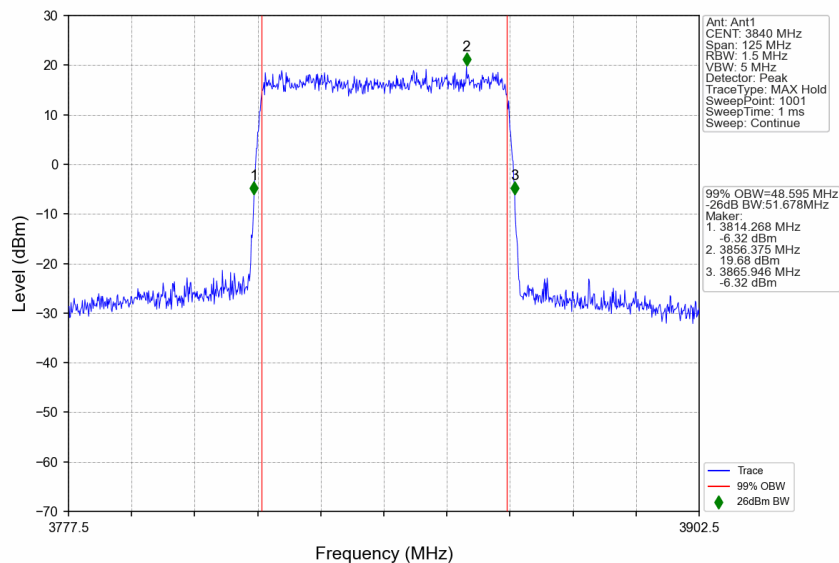
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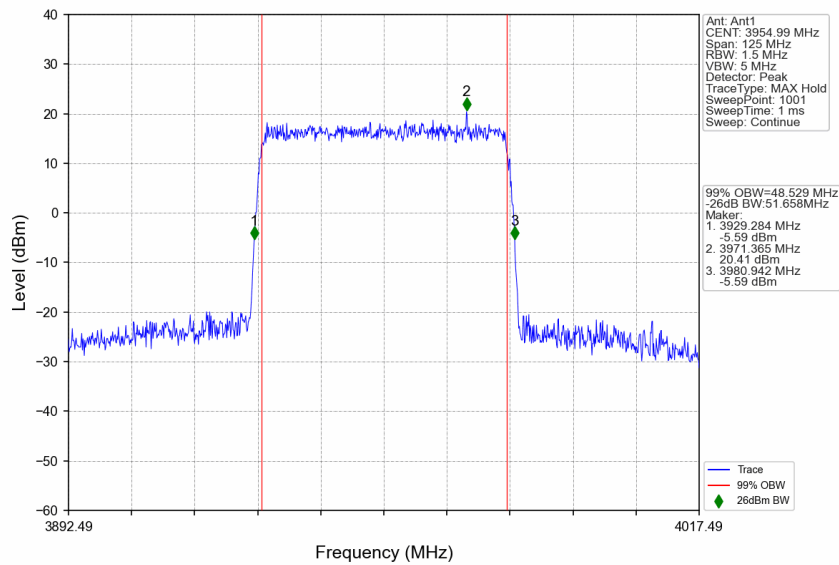


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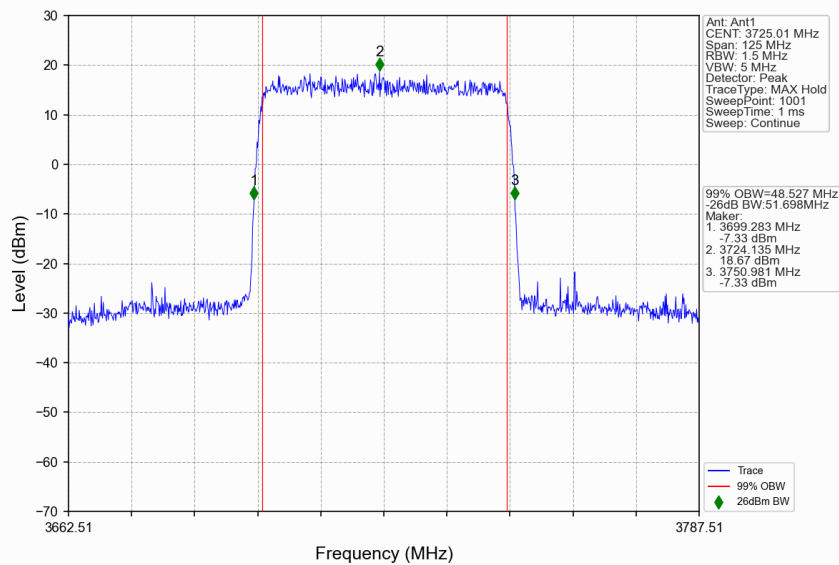
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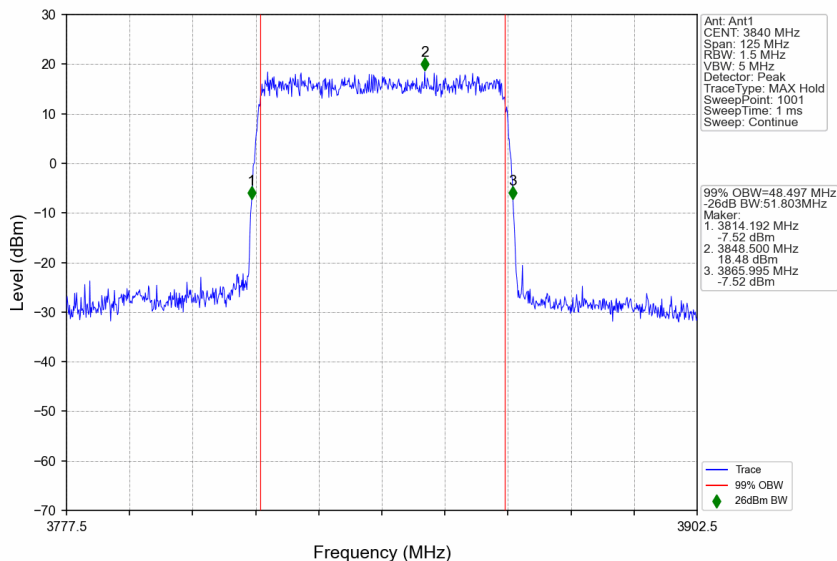
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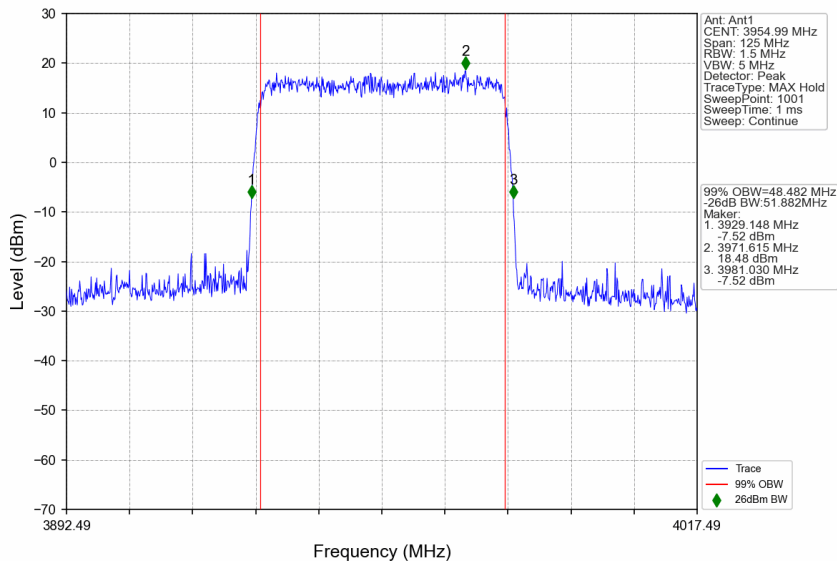
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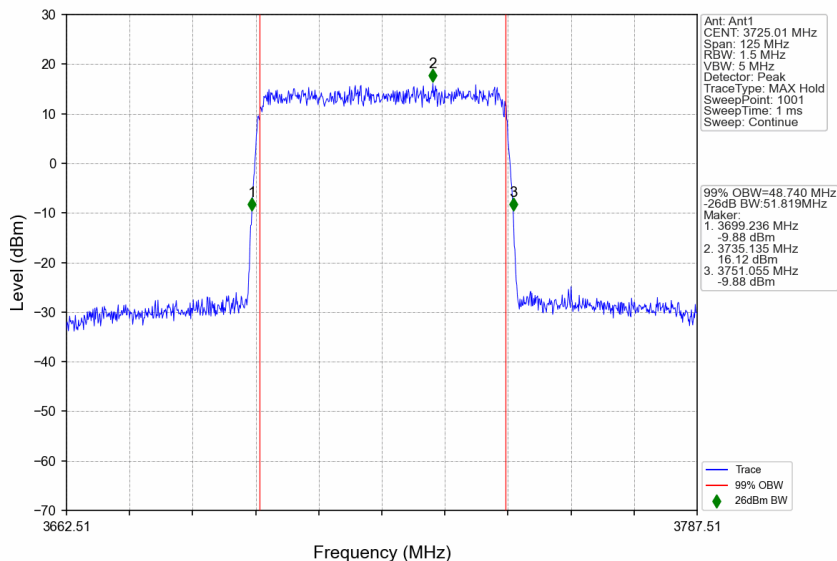


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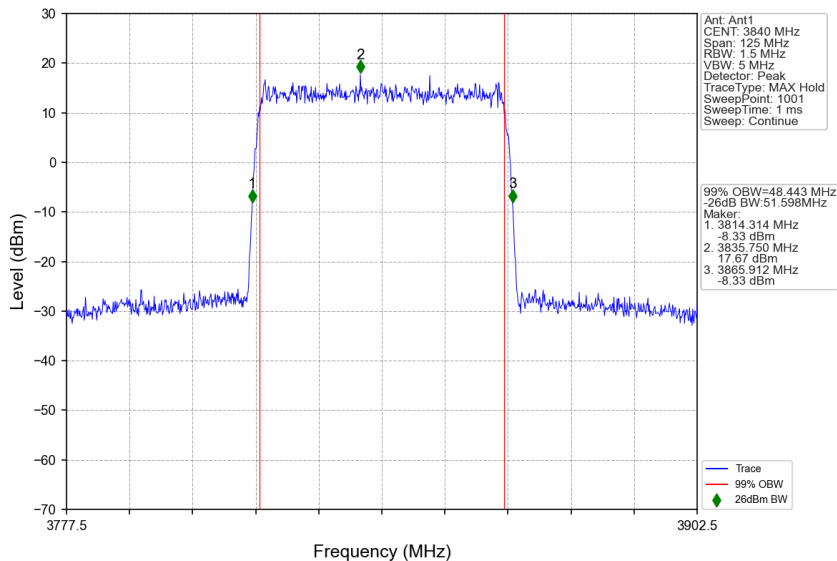
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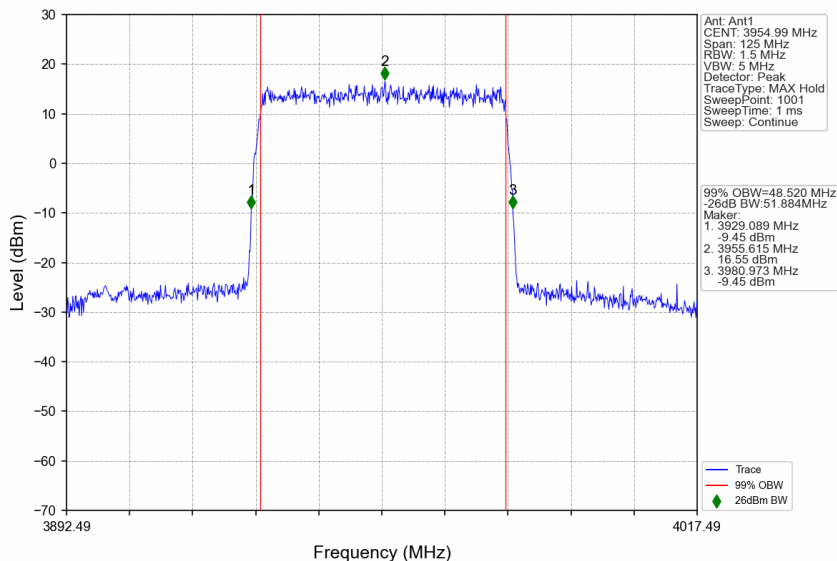
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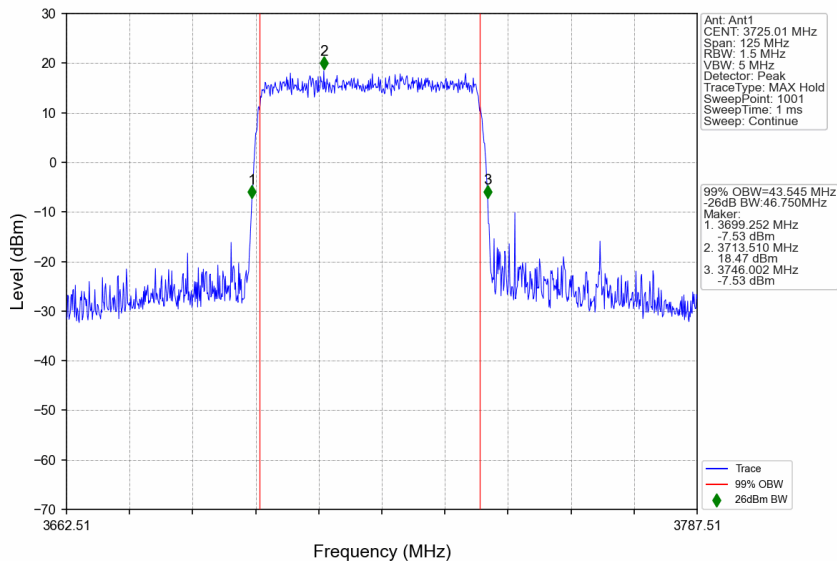
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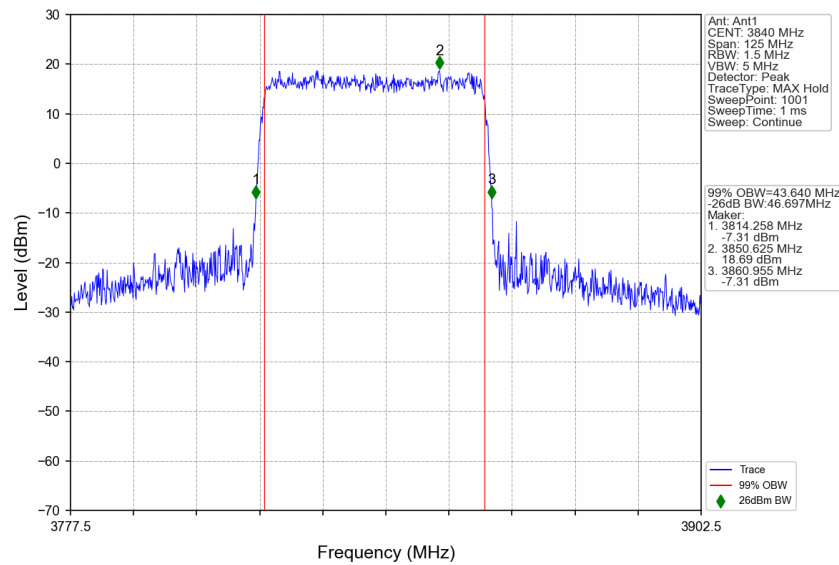


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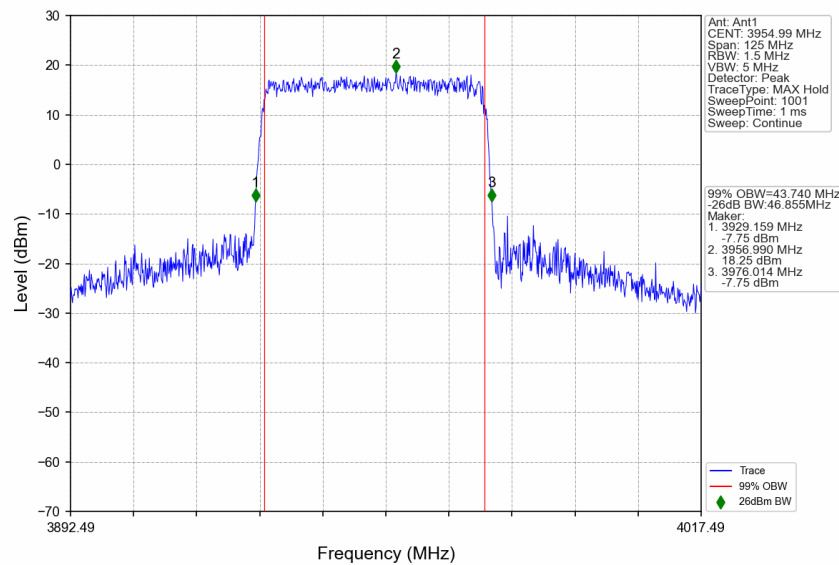
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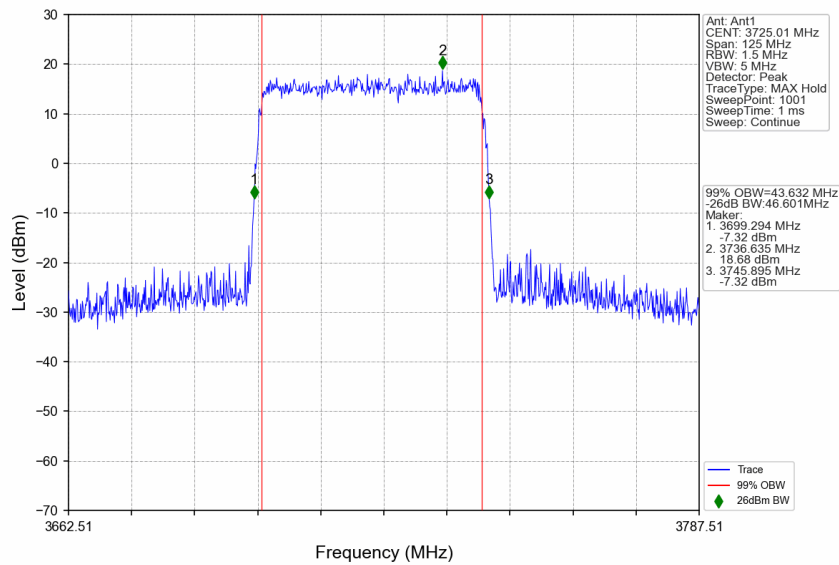


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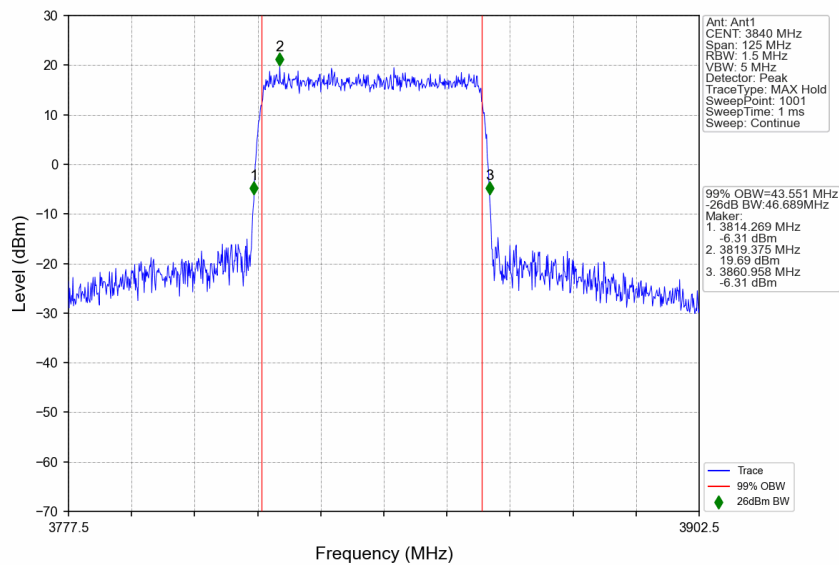
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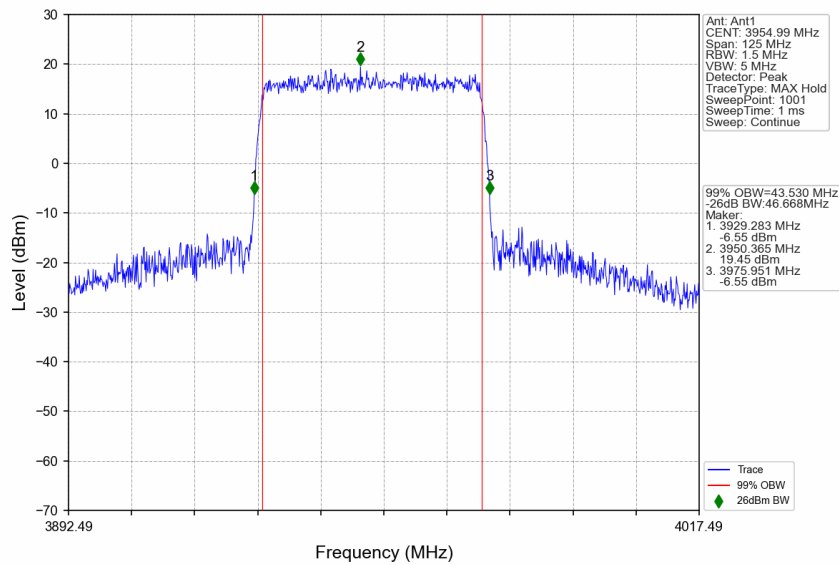


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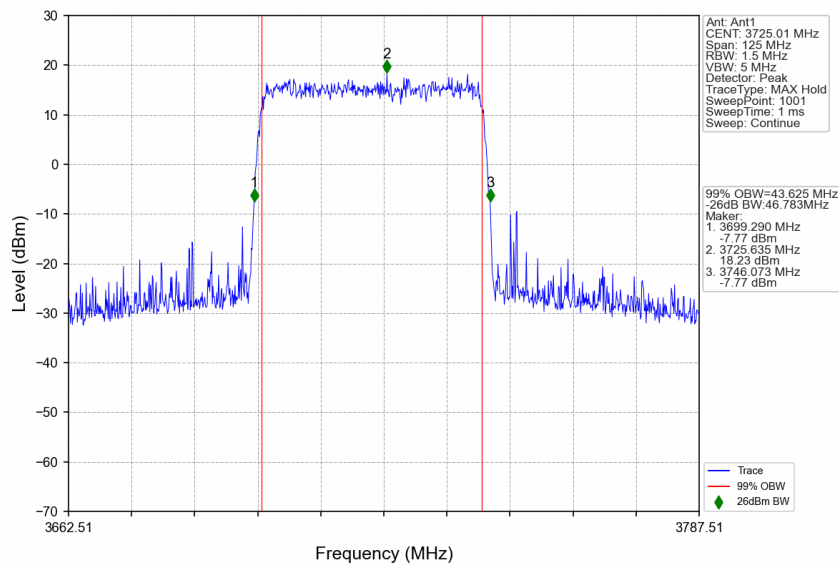
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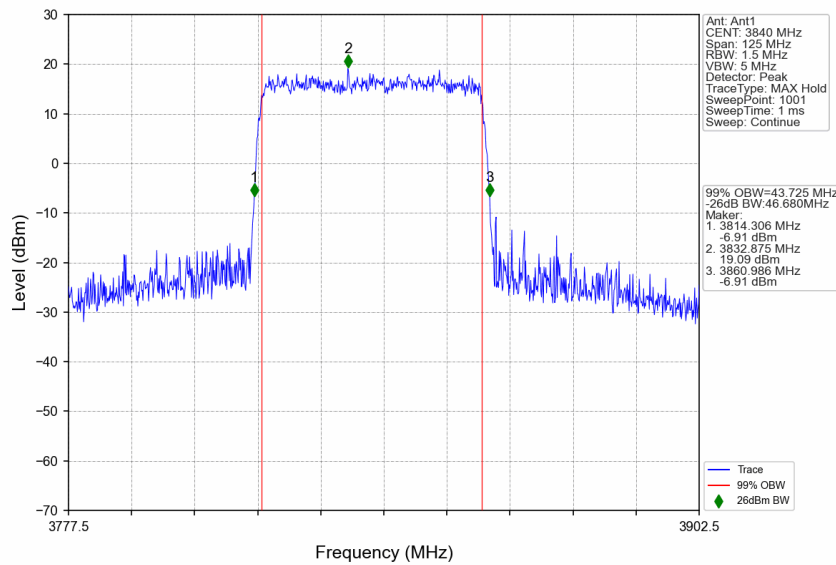


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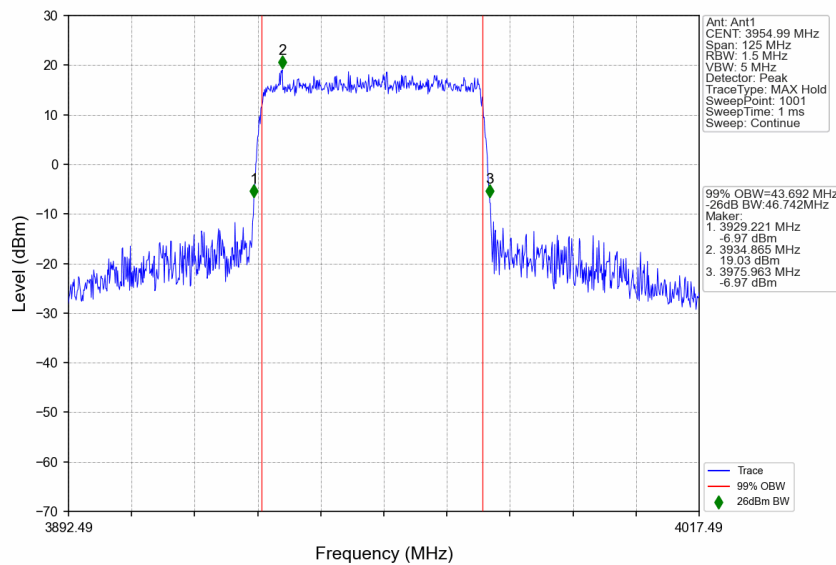
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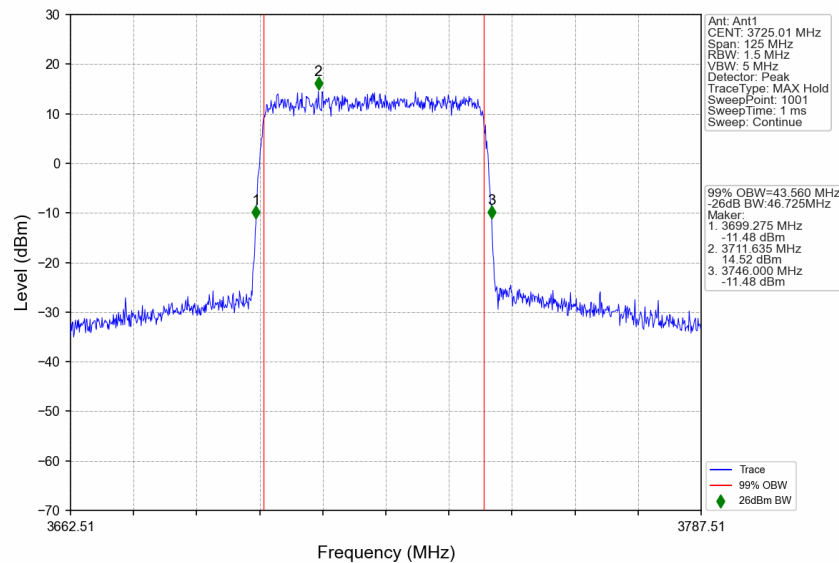


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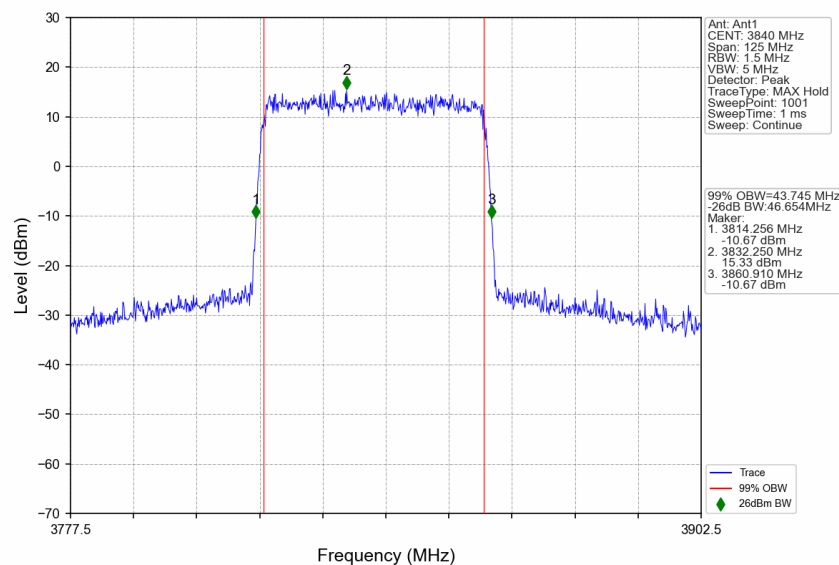
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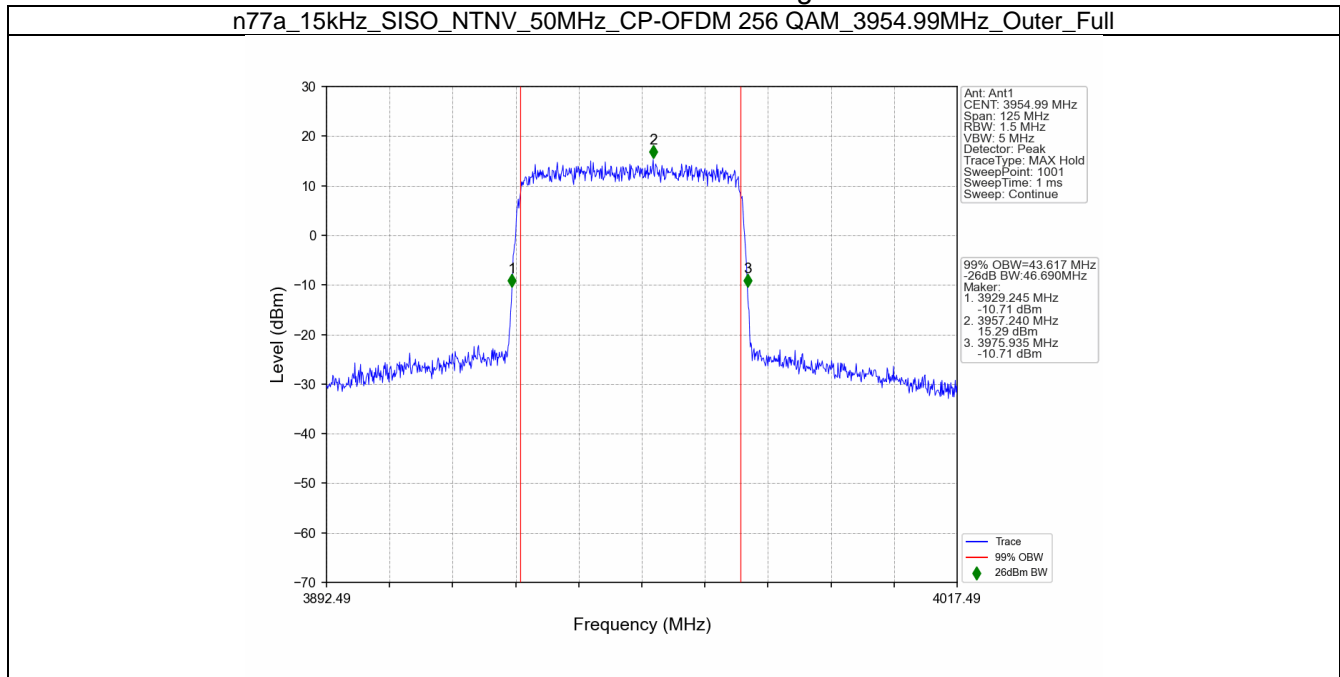


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n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3954.99MHz_Outer_Full



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4.8 30k_SISO_10MHz_NTNV

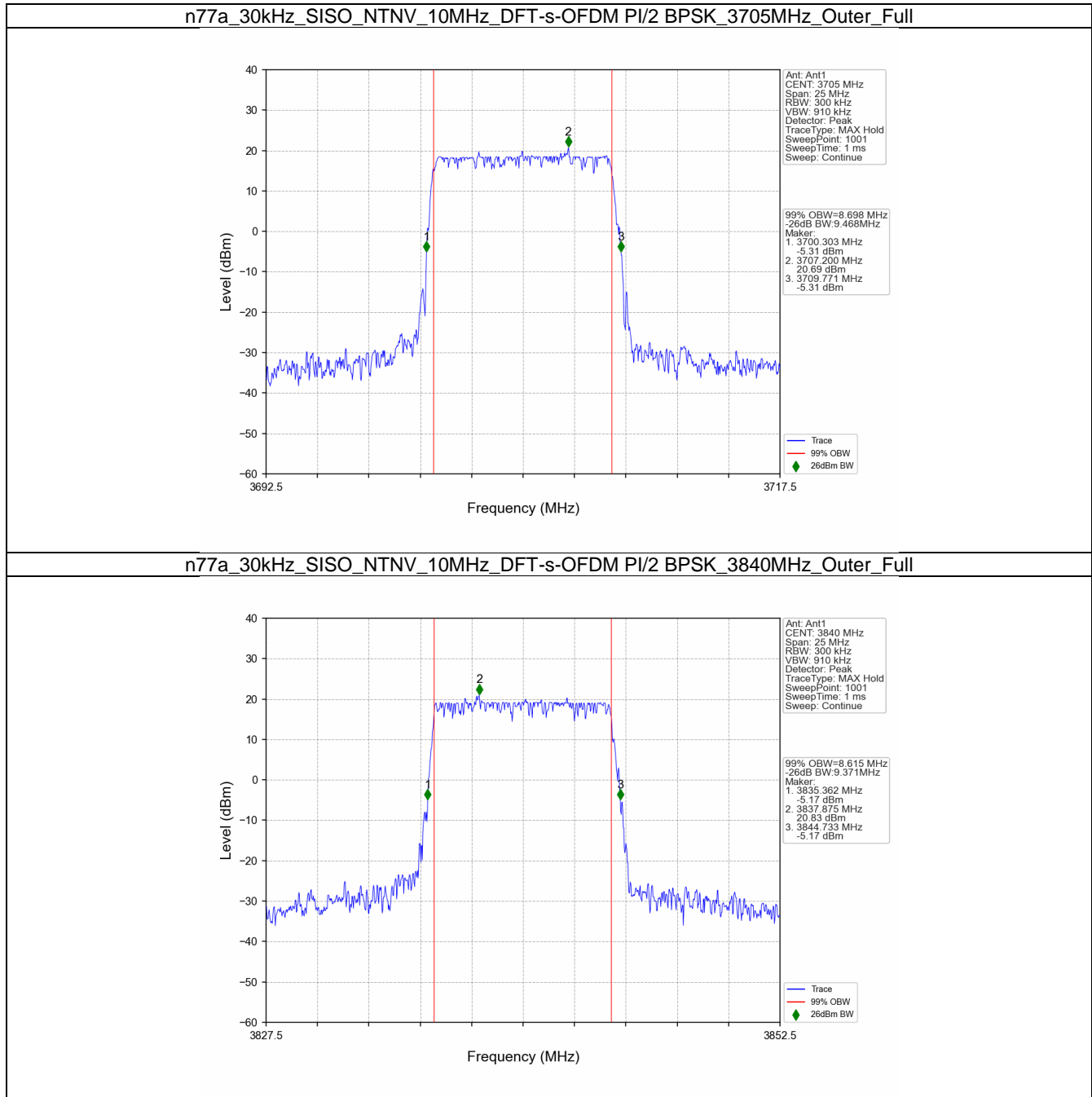
4.8.1 Test Result

Table with 7 columns: Modulation, Frequency (MHz), RB Allocation, 99% Bandwidth (MHz), 26dB Bandwidth (MHz), Limit (MHz), Verdict. Rows include various modulation schemes like DFT-s-OFDM and CP-OFDM with different QAM and BPSK types across multiple frequencies.



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4.8.2 Test Graph

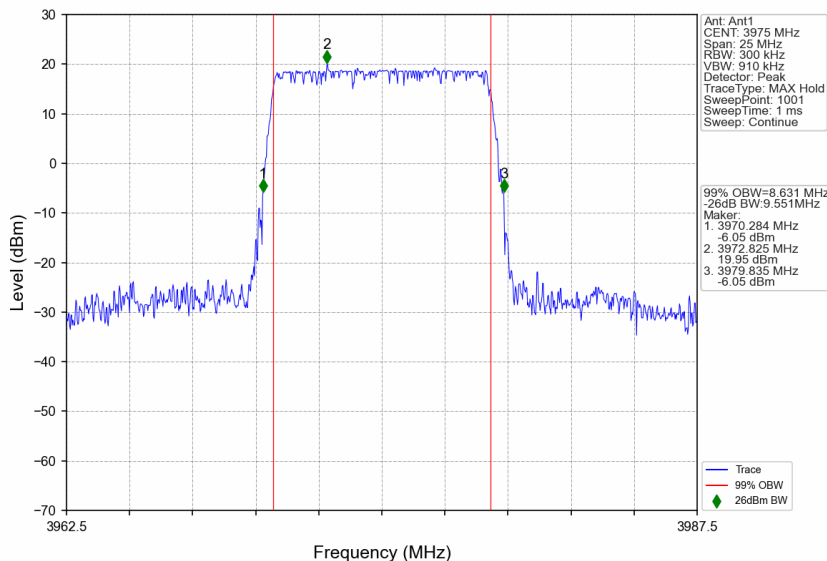


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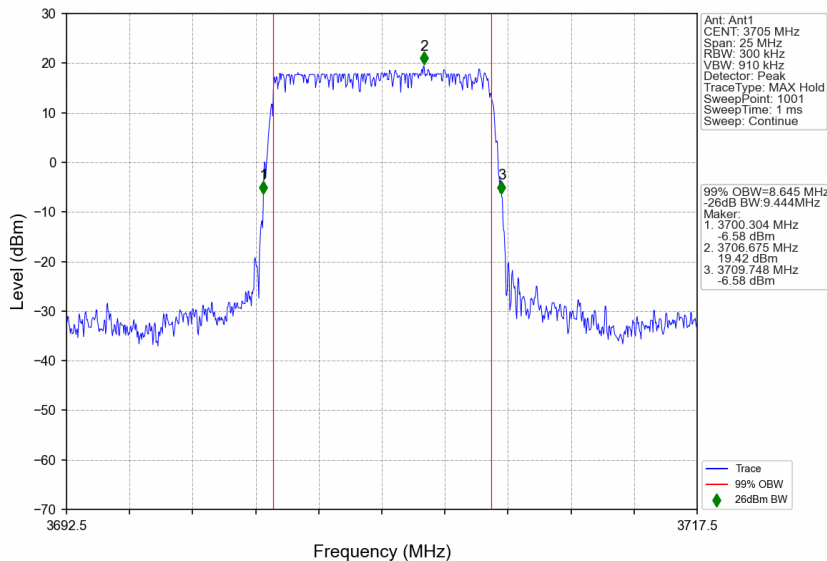
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3975MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3705MHz_Outer_Full

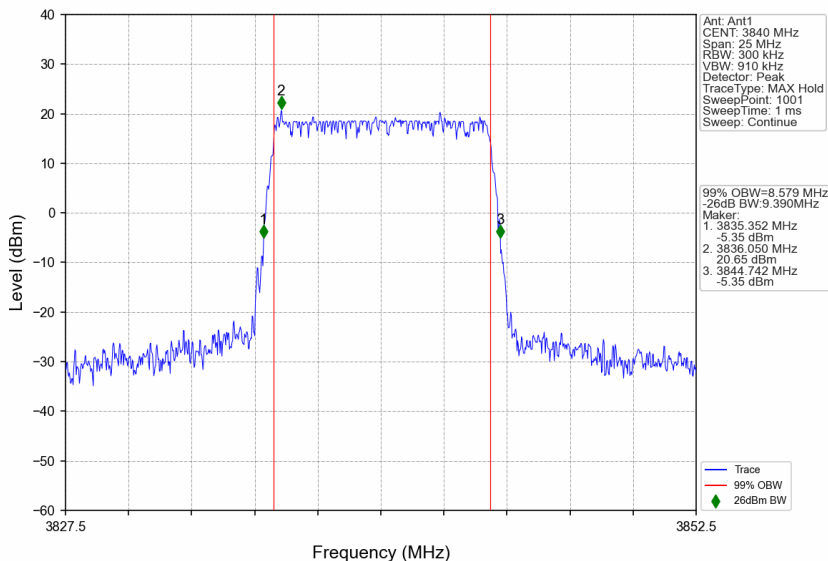


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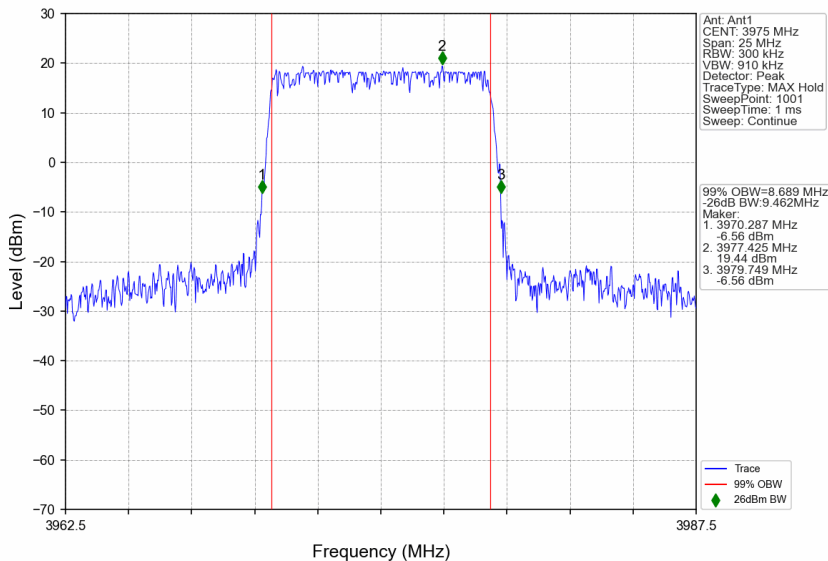
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3975MHz_Outer_Full

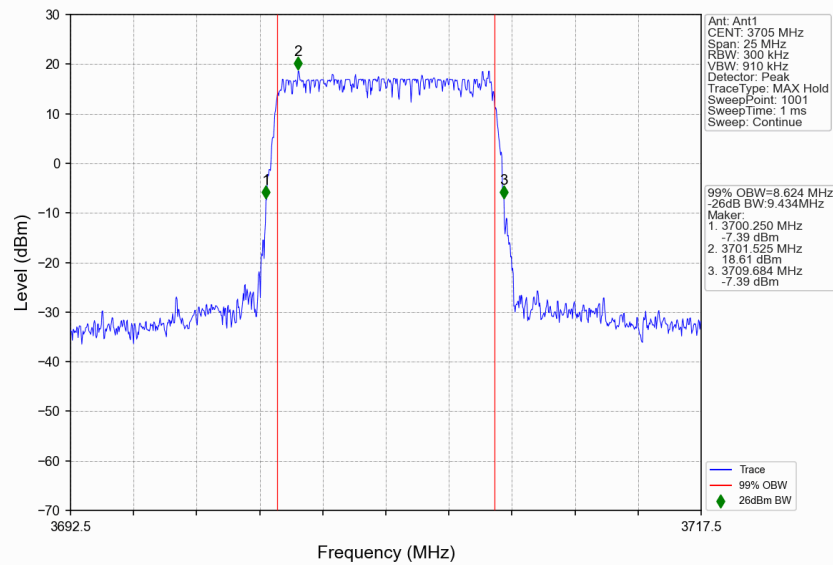


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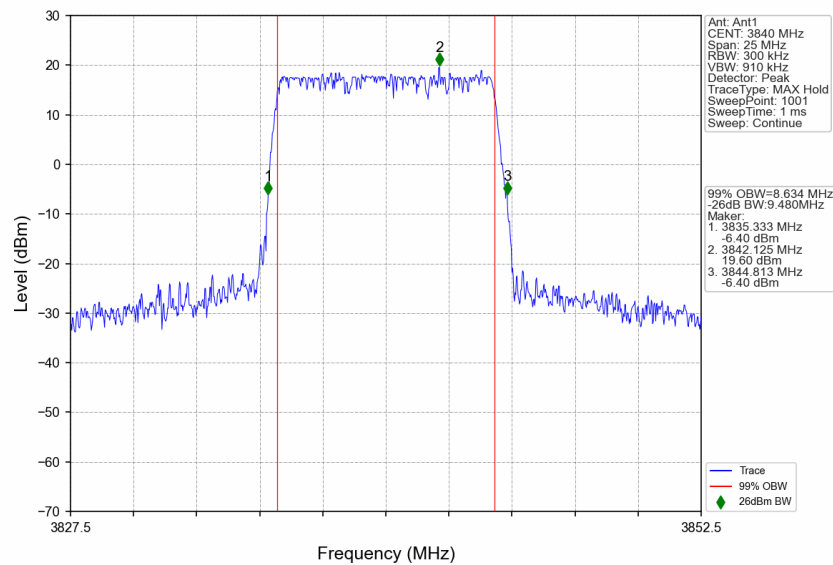
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_3840MHz_Outer_Full



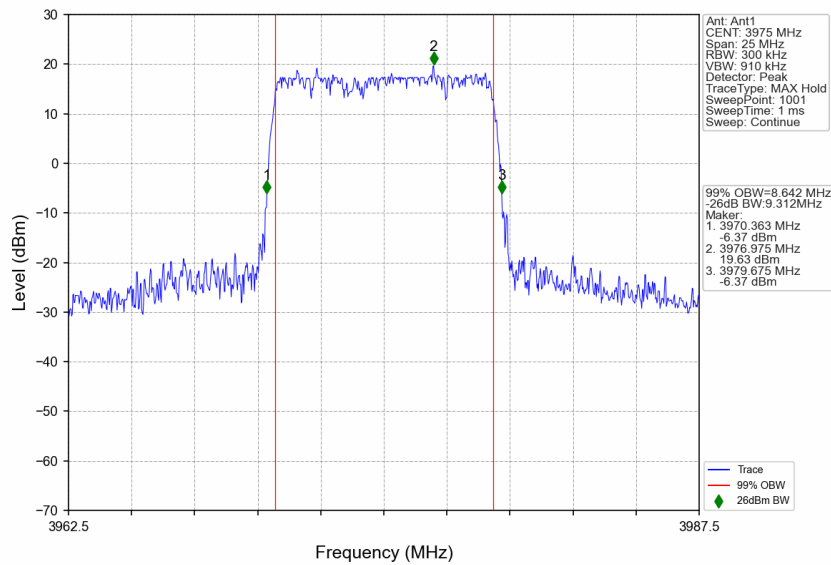
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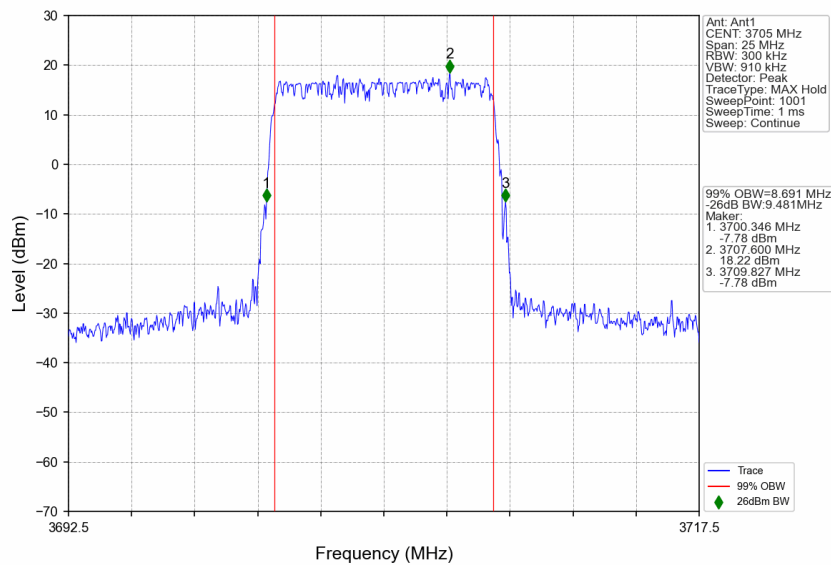
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_3705MHz_Outer_Full

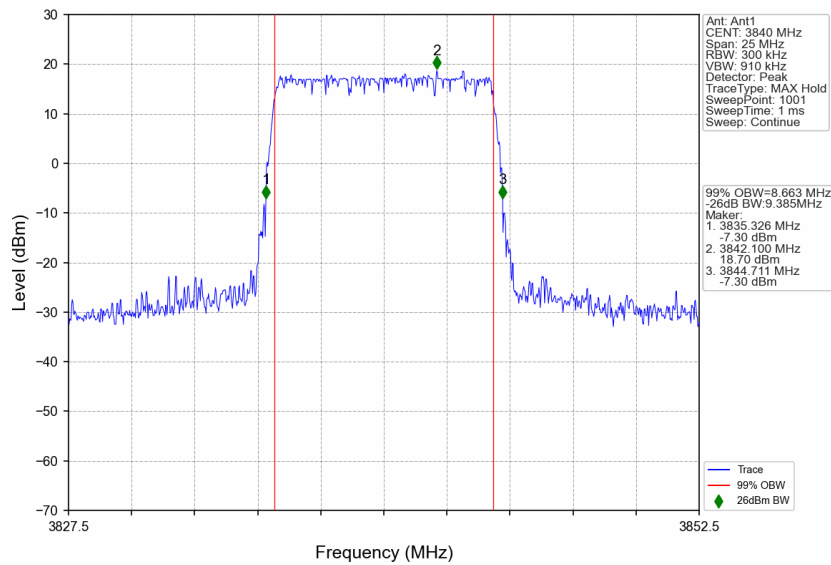


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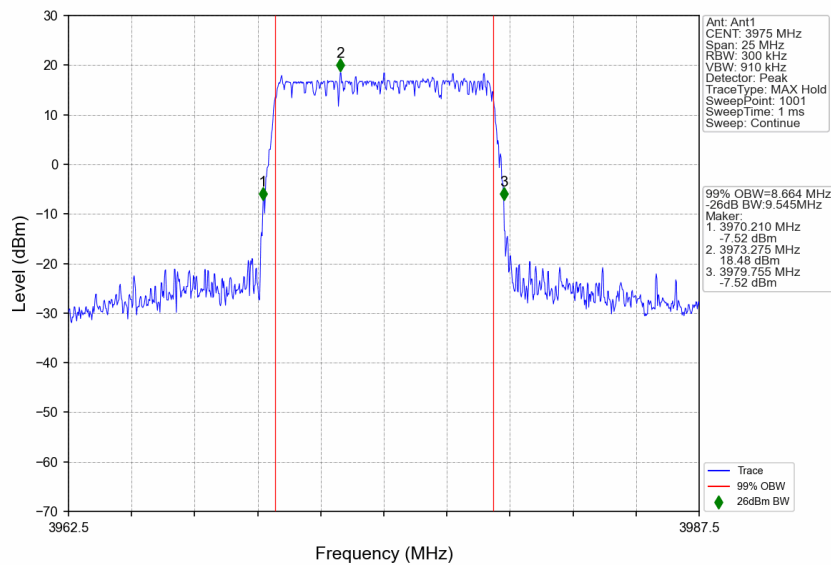
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_3840MHz_Outer_Full



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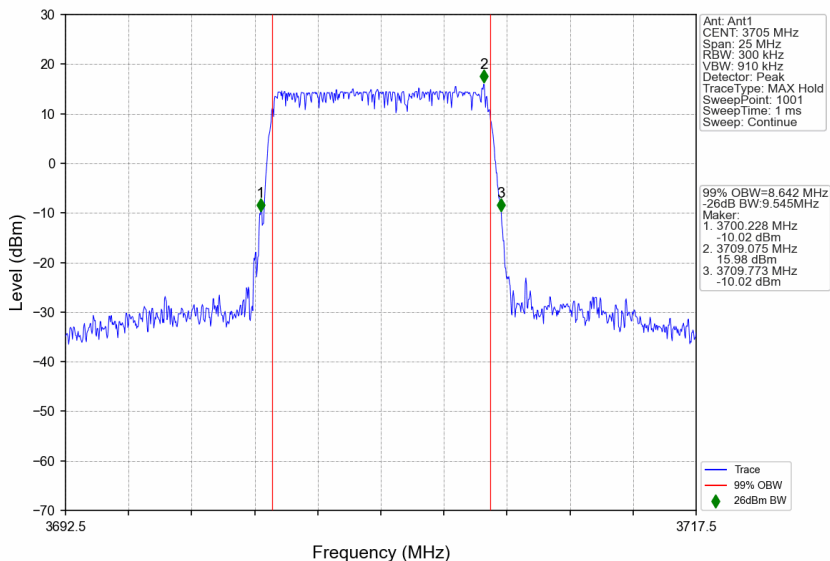


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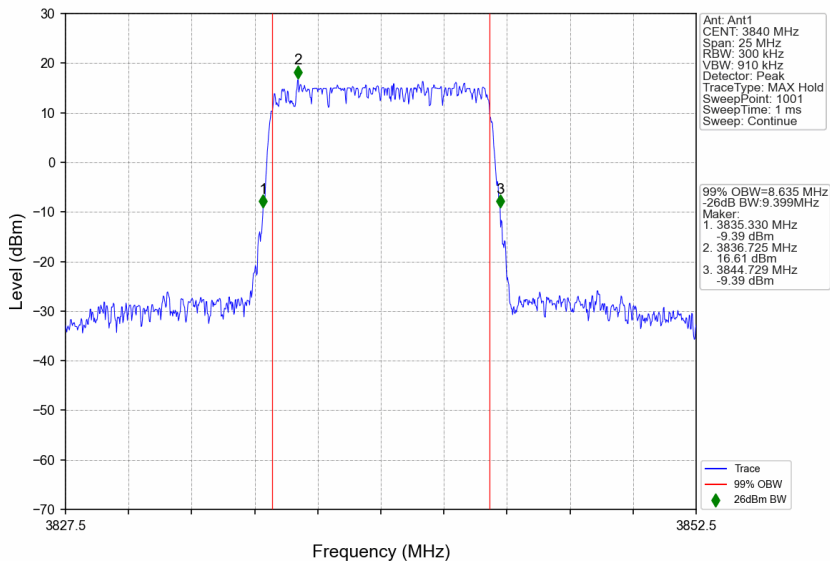
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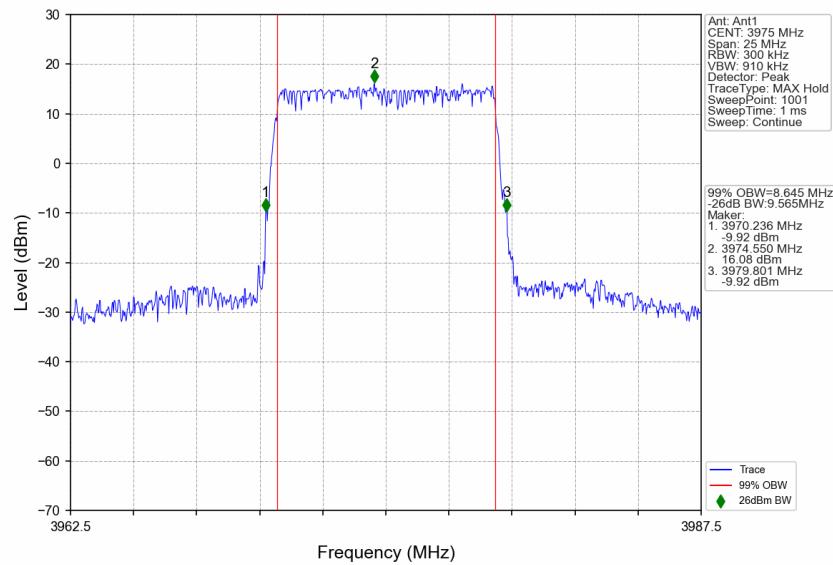


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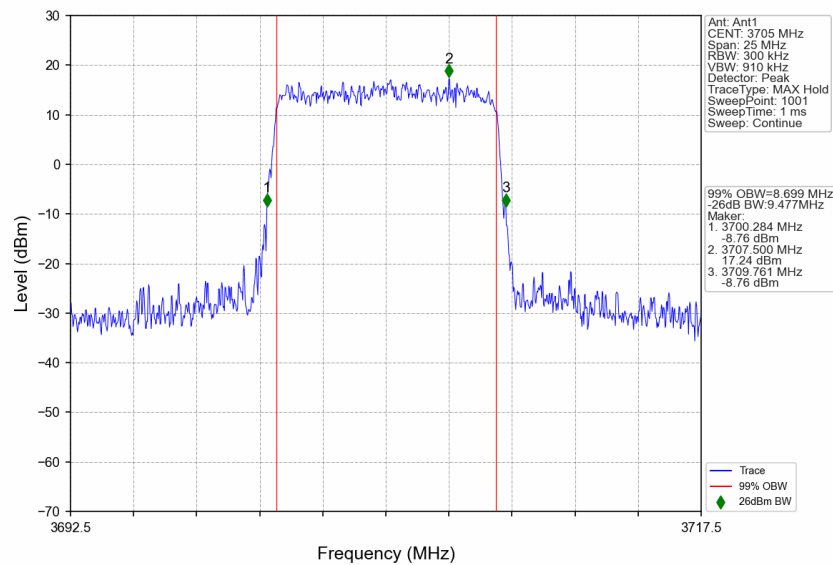
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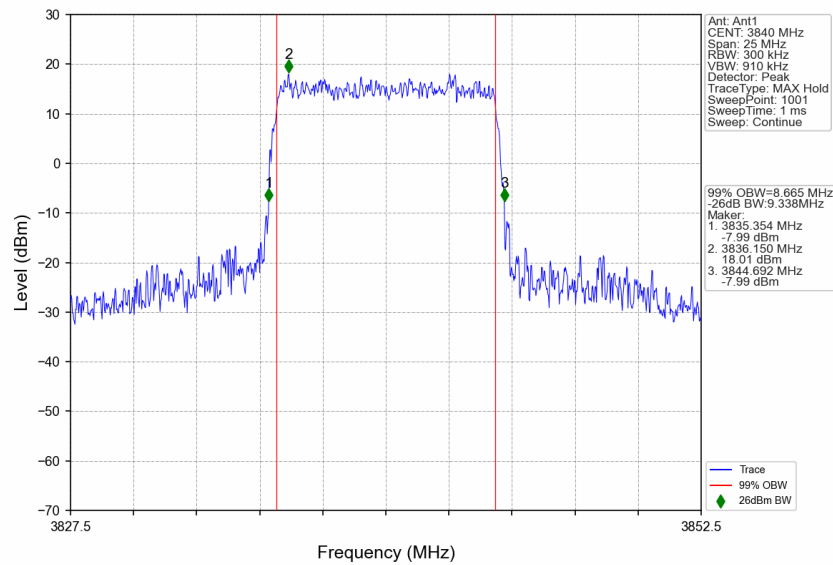


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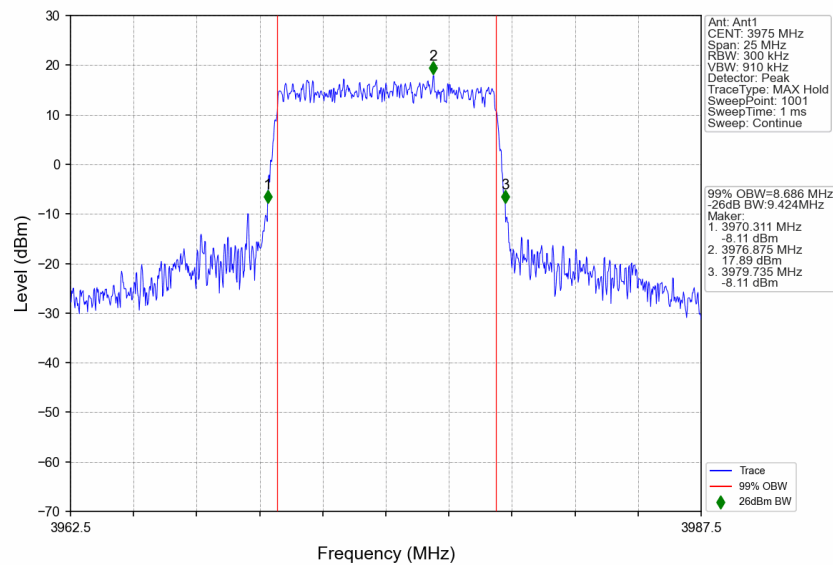
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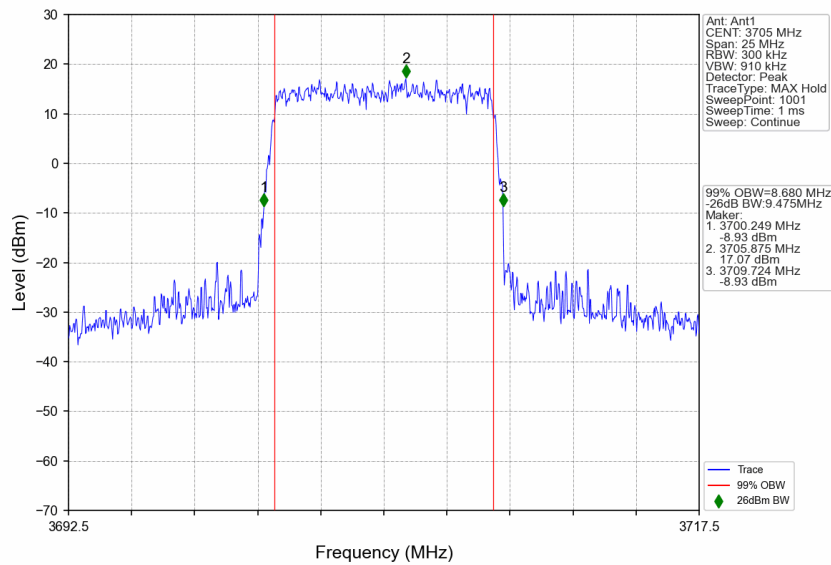


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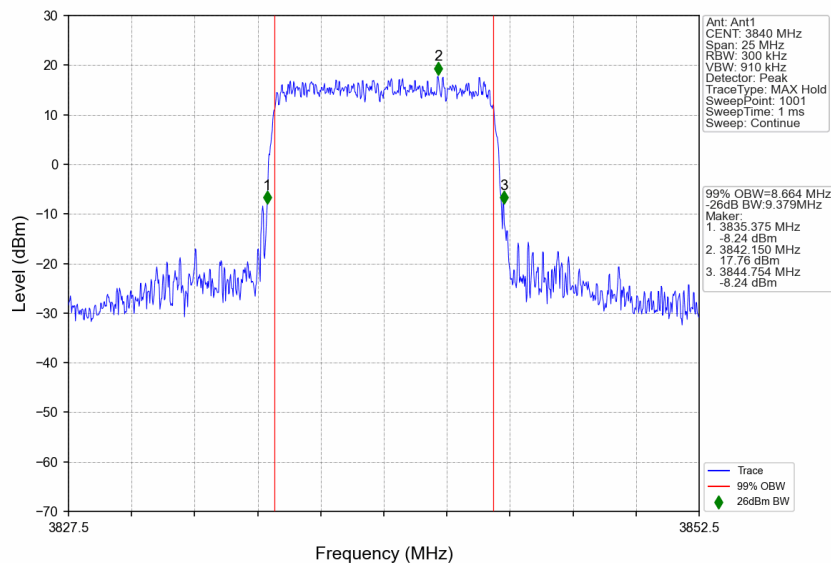
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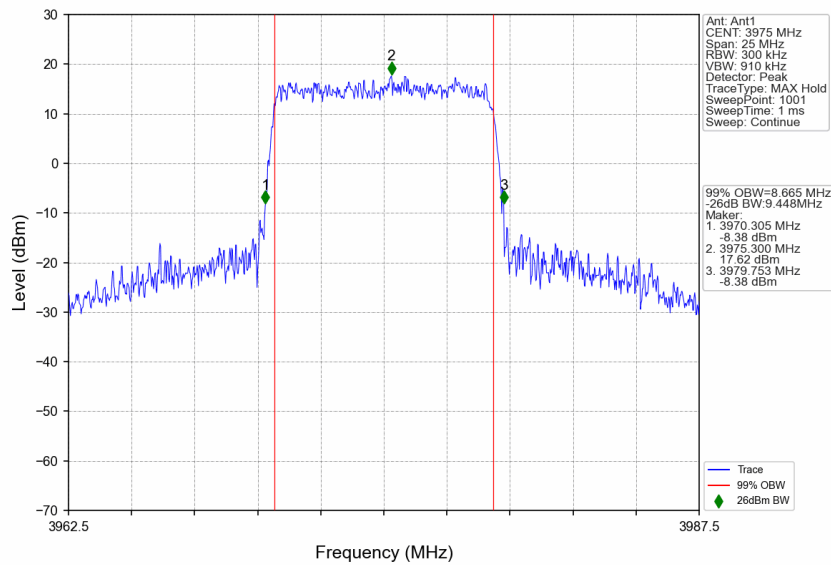


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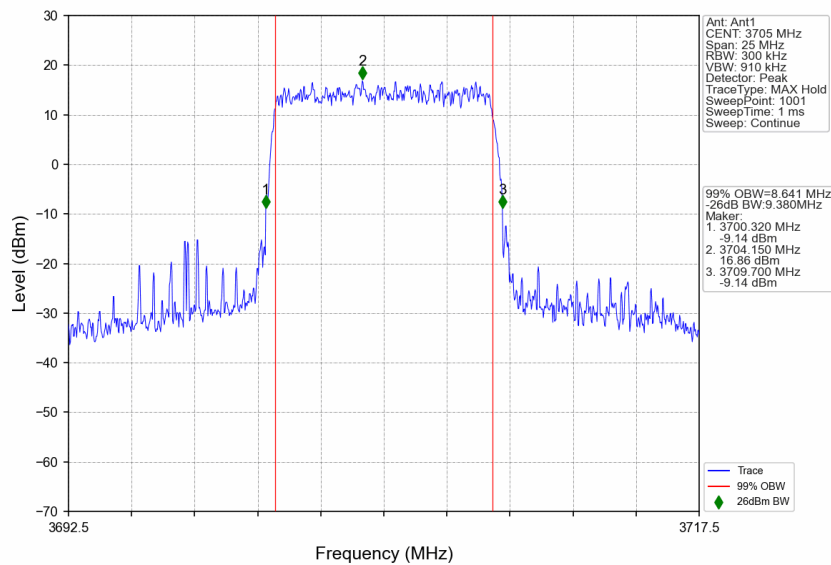
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n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_3975MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_3705MHz_Outer_Full

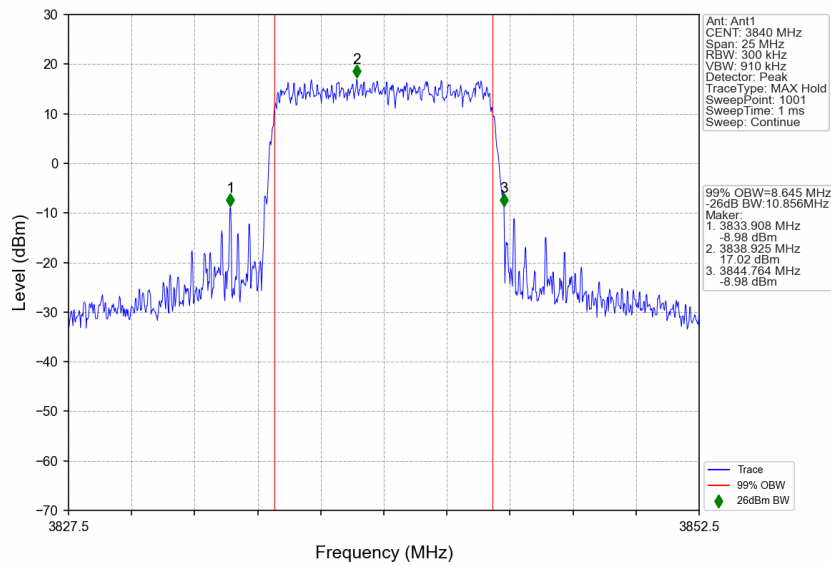


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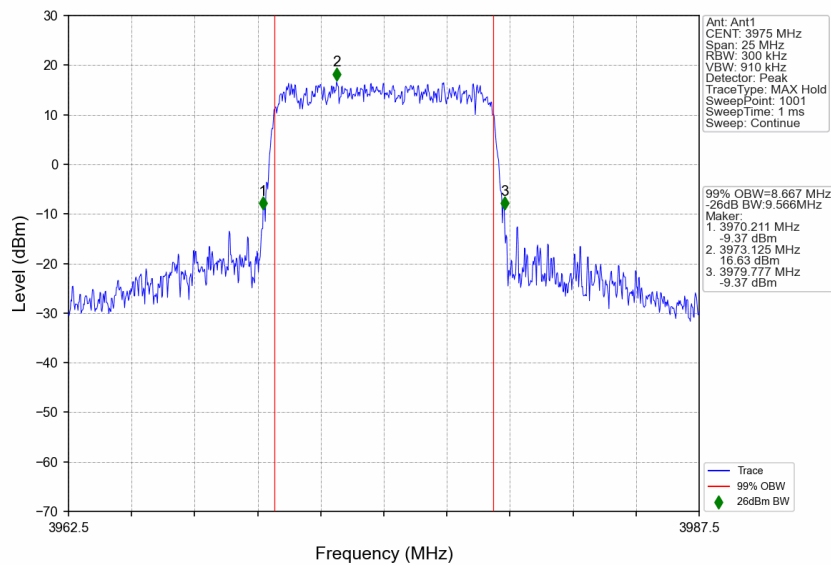
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n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_3975MHz_Outer_Full

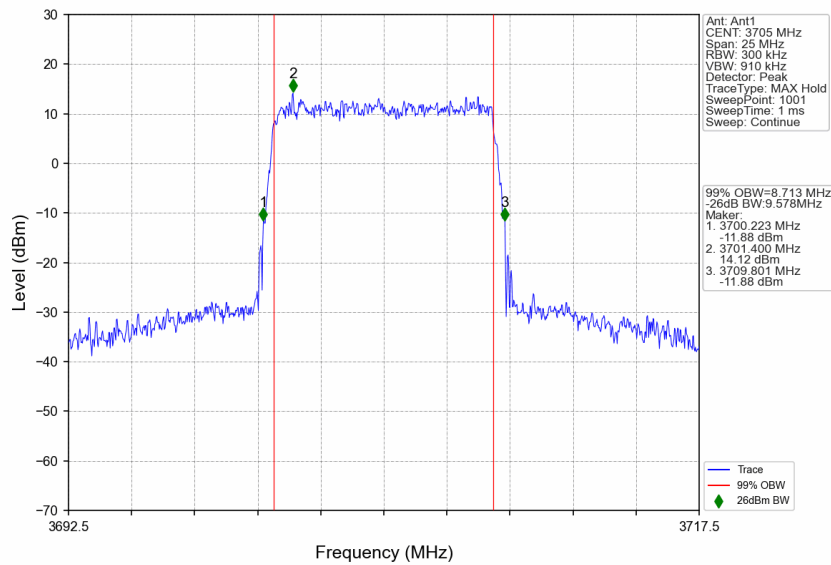


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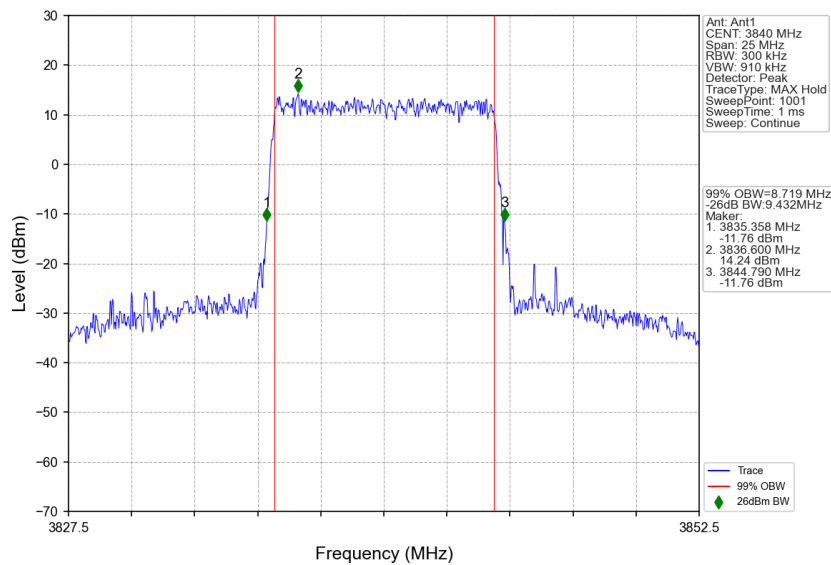
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n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_3705MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_3840MHz_Outer_Full

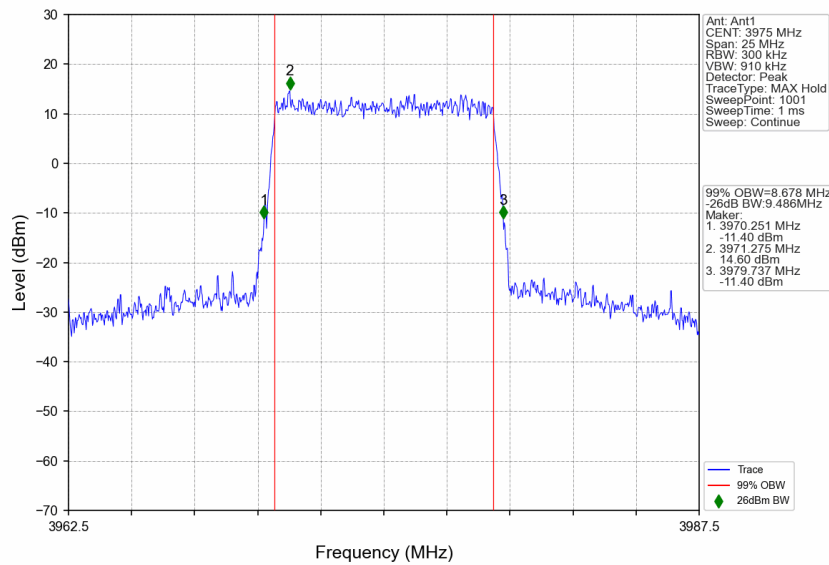


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n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_3975MHz_Outer_Full



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4.9 30k_SISO_15MHz_NTNV

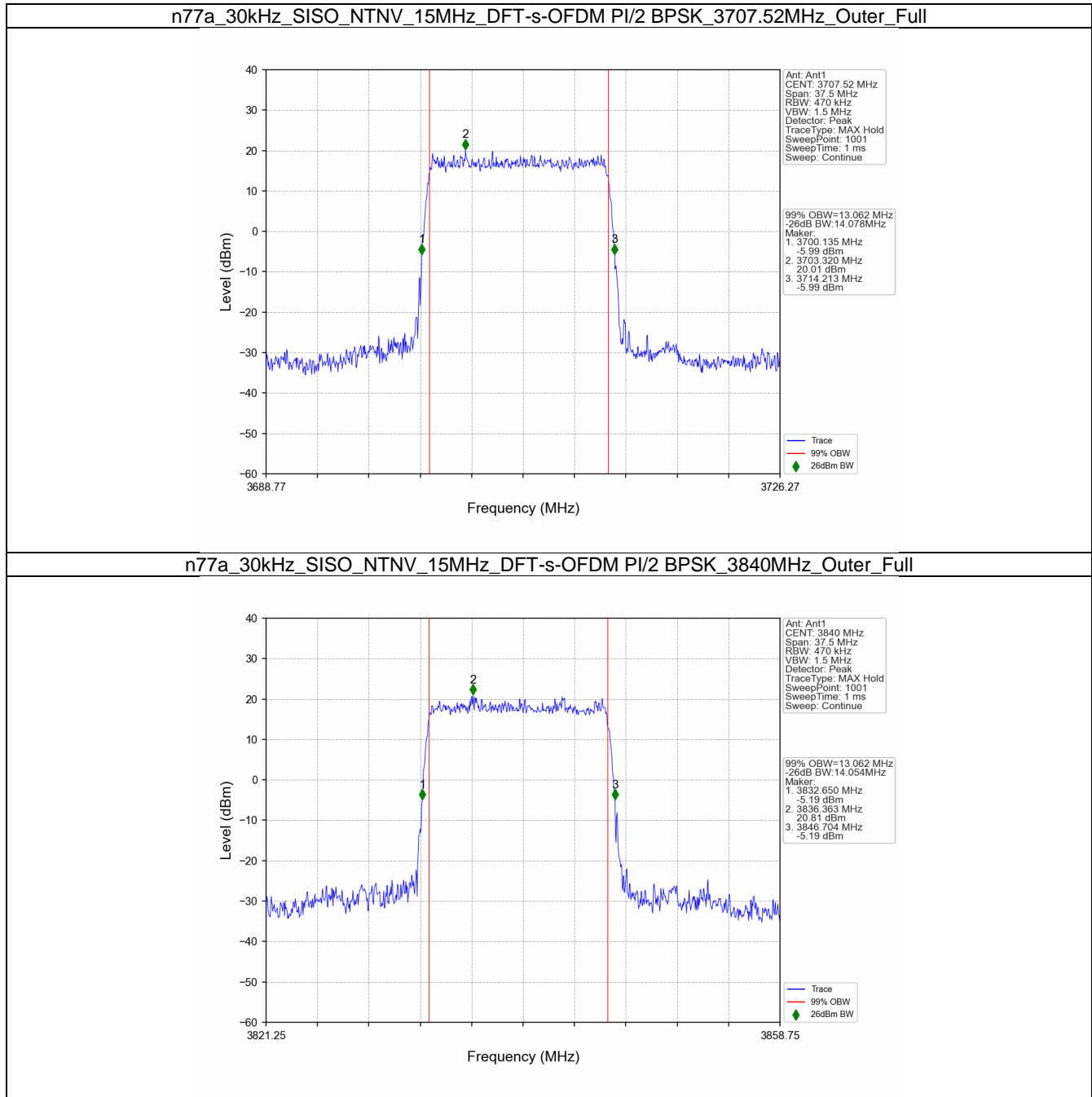
4.9.1 Test Result

Table with 7 columns: Modulation, Frequency (MHz), RB Allocation, 99% Bandwidth (MHz), 26dB Bandwidth (MHz), Limit (MHz), Verdict. Rows include various modulation schemes like DFT-s-OFDM and CP-OFDM with different QAM and BPSK configurations.



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4.9.2 Test Graph

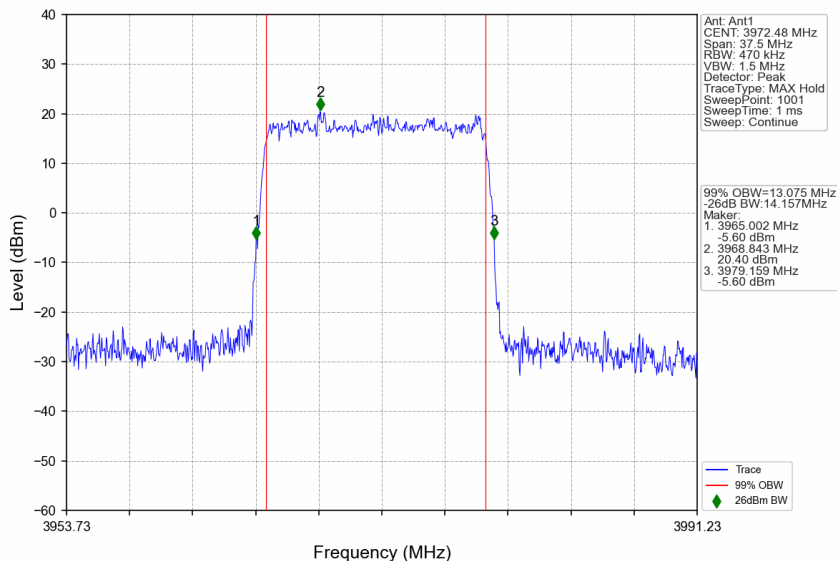


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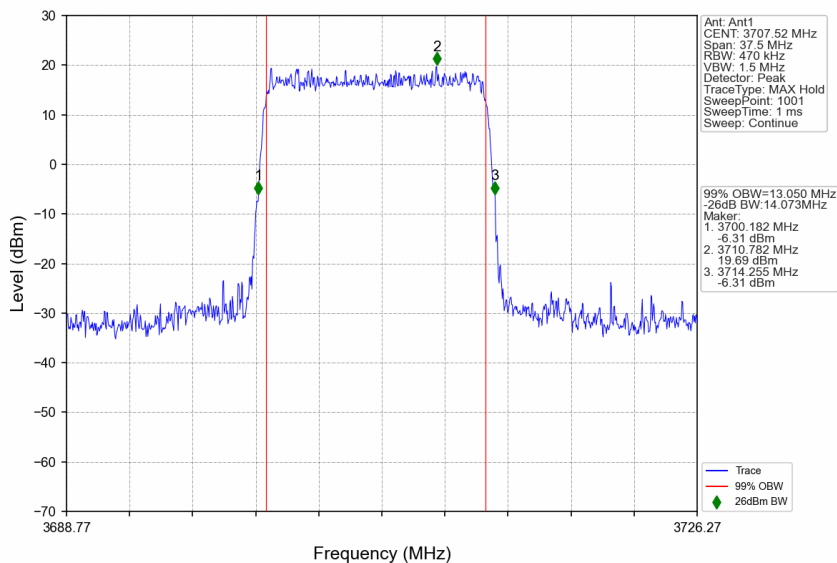
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n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3972.48MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3707.52MHz_Outer_Full

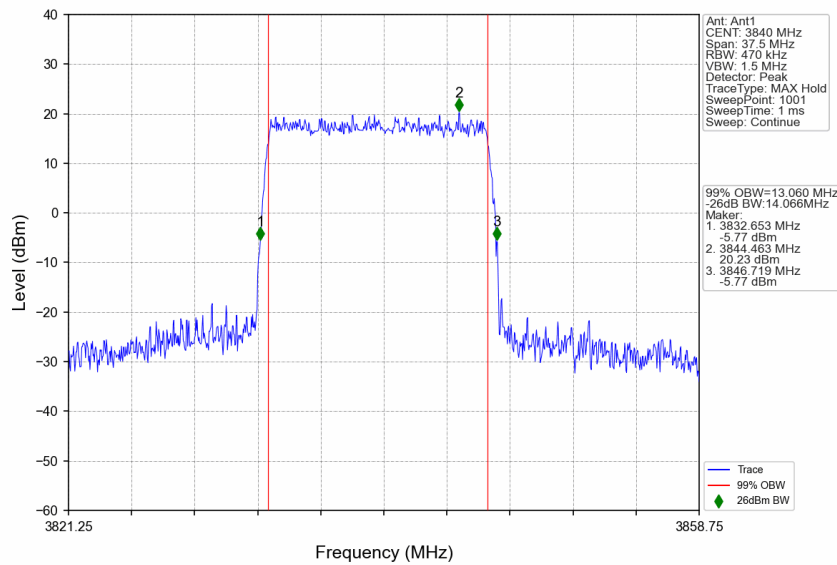


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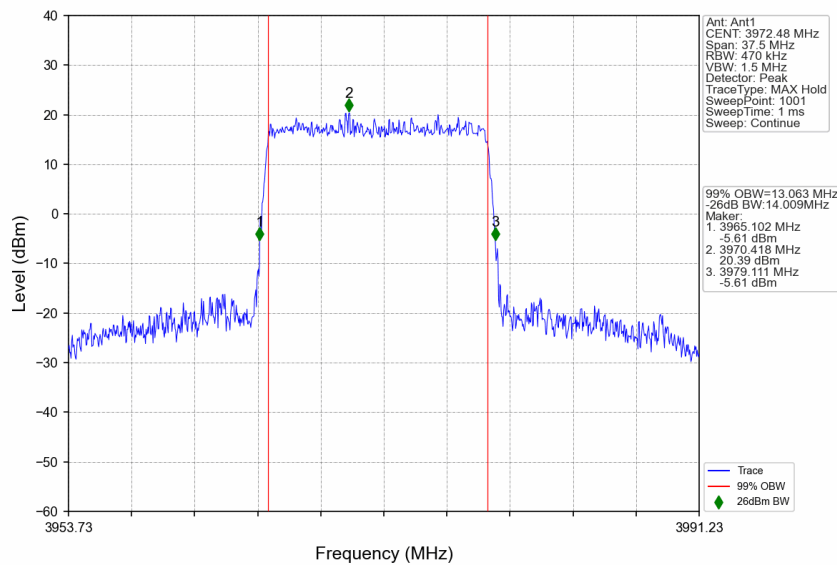
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n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3972.48MHz_Outer_Full



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